HALEY & ALDRICH

# BOEING REALTY CORPORATION
# FORMER C-6 FACILITY
# LOS ANGELES, CALIFORNIA

## TECHNICAL MEMORANDUM
## Quarterly Report No. 3
## Second Quarter 2002
## Extended Soil Vapor Extraction Pilot Testing and Full-Scale System Start-Up

**To:** **Mr. Brian Mossman**
**Boeing Realty Corporation**
**3855 Lakewood Blvd.**
**Building 1A MC D001-0097**
**Long Beach, CA 90846**

**From:** **Haley & Aldrich, Inc.**

**Date:** **July 26, 2002**

**Re:** **Quarterly Report No. 3, Second Quarter 2002, Extended Soil Vapor Extraction Pilot Testing and Full-Scale System Start-Up, Boeing Realty Corporation, Former C-6 Facility – Parcel C, Los Angeles, California**

Haley & Aldrich, Inc. has prepared this report to summarize extended soil vapor extraction (SVE) pilot test activities and full-scale system start-up conducted at the former Boeing C-6 Facility (subject property), in Los Angeles, California. During the period of April 1, 2002 through June 30, 2002, extended pilot testing was conducted in the following area:

- Former Building 2

During the period of May 15, 2002 through June 7, 2002, full-scale SVE system start-up was conducted in the following area:

- Former Building 1/36

This technical memorandum summarizes system operations, field measurements, vapor sampling and analysis, mass removal, extraction well optimization, and planned future SVE operations.

## BACKGROUND

Laboratory results for soil samples collected in the former Building 1/36 and Building 2 areas at the subject property indicated the presence of volatile organic compounds (VOCs) at depth requiring remediation to prevent possible impact to groundwater. Based on the results of the investigation, shallow occurrences of impacted soil (less than 12 feet below ground surface) were excavated and disposed of at an approved facility. SVE was

recommended for the remediation of deep impacted soil. Haley & Aldrich was contracted by BRC to install and operate two extended SVE pilot tests to obtain data for the evaluation of using SVE as a full-scale remedy. Workplans for the pilot test activities in the Building 1/36 and Building 2 areas were submitted and approved by the Regional Water Quality Control Board, Los Angeles Region (LARWQCB) in May and September, 2001, respectively.

Initial pilot testing was completed in the Building 1/36 area in March 2002. An interim action SVE system was installed in the Building 1/36 area in April 2002. A workplan for the implementation of the interim remedial action SVE system was submitted and approved by the LARWQCB in October 2001.

## BUILDING 1/36

Site grading began in October 2001 in the vicinity of the SVE pilot test system, therefore all of the initial wells were abandoned. At the end of November 2001, one dual-completion well (1-VEW-24A and B) was re-installed and the pilot test system once again began operation. An additional forty-one dual and single completion wells (1-VEW-1 through 1-VEW-26) were installed during the month of January 2002 as part of an SVE system scale-up. The location of the Building 1/36 SVE system is shown in Figure 1. The well field layout, including well screen depths is shown on Figure 2.

The Building 1/36 expanded SVE system consists of forty-three 3-inch diameter, single and dual-completion, SVE wells, a trailer-mounted, 1,000-standard cubic feet per minute (scfm) blower system, three 8,000-lb granular activated carbon (GAC) vapor control vessels (primary, secondary, and stand-by), and associated piping. Haley & Aldrich began system operation on May 15, 2002.

Operations for the second quarter 2002 covered the period May 15, 2002 to June 7, 2002. During this period, the system operated with an up-time efficiency of 90% and removed a total of approximately 4,196 lbs. of VOCs. Three GAC changeouts, 8,000 lbs. each, were completed during this period on May 21 and May 29, 2002 (both vessels). On June 7, 2002, the system shut down due to apparent vandalism. Exothermic reactions on the GAC beds continued until June 12, when upon discovery, the beds over-heated and were quenched with water. Due to the GAC beds overheating, system damage occurred that requires repair prior to re-start. GAC was removed from all three vessels on June 13, 2002 and the system remains off pending corrective measures.

## SECOND QUARTER 2002 SVE OPERATION SUMMARY – BUILDING 1/36

| | |
|---|---|
| Days of Operations | 22 |
| Available Days of Operation | 24 |
| Operational Time (%) | 90 |
| Mass Removed during Period (lbs) | 4,196 |
| Cumulative Mass Removed (lbs) (July '01-June '02) | 9,189 |

## OPERATIONS INFORMATION – BUILDING 1/36

Operational data and VOC mass removal for the SVE system are tabulated and shown graphically in Attachment 1. The system operation timeline for the period is as follows:

- May 15, 2002 — Full-scale system start-up
- May 18, 2002 — System shutdown, west vessel switched into primary position, system restarted
- May 21, 2002 — South GAC vessel was changed out (8,000 lbs), system restarted, south vessel as primary carbon

| | |
|---|---|
| • May 27, 2002 | System shut down, GAC breakthrough |
| • May 29, 2002 | South and West GAC vessel were changed out (16,000 lbs), system restarted, west vessel as primary |
| • June 3, 2002 | North vessel as primary and south vessel as secondary carbon, system modifications installed |
| • June 7, 2002 | System shutdown due to apparent vandalism |
| • June 12, 2002 | GAC bed over-heating and water quenching |
| • June 13, 2002 | Additional quenching and GAC removal |

Total days of operation for this period was approximately 22 with downtime due to apparent vandalism of the system and GAC over-heating. This equates to an up-time of approximately 90 percent when compared with the days available for operation as shown in Attachment 1, Graph 1.

During the period from May 15, 2002 through June 7, 2002, VOC vapors were drawn individually from all wells (VEW-1 through VEW-26B) with initial readings taken to calculate optimal flow and VOC removal at the wellheads. The process flowrates ranged from approximately 364 to 1,060 scfm. Inlet vacuums ranged from 60 to 109 inches of water column (inches $H_2O$).

For this reporting period, approximately 4,196 lbs. of VOCs were extracted from the SVE wells and treated with GAC during 503 hours of operation a shown in Attachment 1, Graph 2. Since July 2, 2001 (initial small-scale pilot test start-up) approximately 9,189 lbs. of VOCs have been extracted during approximately 3,873 hours of initial and expanded SVE pilot test operation. Operation of the SVE system is in compliance with the site-specific permit from the South Coast Air Quality Management District (SCAQMD).

## FIELD MEASUREMENTS – BUILDING 1/36

VOC concentrations were measured with a PID or flame-ionization detector (FID), calibrated to 100 parts per million by volume (ppmv) hexane, at the undiluted inlet, diluted inlet, between the GAC vessels, and at the exhaust stack. Flowrates were measured with a hand-held TSI Veloci-clac Plus hot-wire anemometer or direct reading pitot tube. Additional measurements were collected during operation including vacuum readings at each extraction well, pressures at the GAC vessels, and blower exhaust temperature. The field influent VOC concentration measurements are plotted in Attachment 1, Graph 3.

## VAPOR SAMPLING AND ANALYSIS– BUILDING 1/36

For this period, two pairs of vapor samples were collected in Tedlar bags from the process air stream (inlet to primary GAC vessel and exhaust from the secondary GAC vessel) and delivered to a state-certified laboratory for analysis. These samples were collected for SCAQMD permit compliance as well as system performance evaluation. The vapor samples were collected using a Tedlar bag in a vacuum case. Laboratory analyses were conducted on vapor grab samples using EPA Method 8260B/TO-14A. The full results of the vapor sampling are summarized in Attachment 1, Tables 1, 2, and 3.

Based on the results of the laboratory analysis of vapor grab samples, maximum inlet VOC concentrations as parts per billion by volume (ppbv) for the period are as follows:

- 1,1,1 Trichloroethane (1,1,1 TCA) 220,000 ppbv
- Toluene 170,000 ppbv
- 2-Butanone (MEK) 150,000 ppbv
- 1,1 Dichloroethene (1,1 DCE) 83,000 ppbv
- Trichloroethene (TCE) 48,000 ppbv
- Methylene chloride 8,400 ppbv
- 1,1 Dichloroethane (1,1 DCA) 2,700 ppbv
- Xylene 2,500 ppbv
- Cis-1,2 Dichloroethene (Cis-1,2 DCE) 1,700 ppbv
- 1,2 Dichloroethane (1,2-DCA) 560 ppbv
- Tetrachloroethene (PCE) 260 ppbv
- Chloroform 240 ppbv
- Trichlorofluoromethane 150 ppbv

Reported influent concentrations varied during the period due to the effects of different operational configurations. Effluent vapor samples collected on May 21 and June 3 were within SCAQMD permit requirements with the exception of methylene chloride on June 3, 2002. The SVE system is currently off.

## EXTRACTION WELL OPTIMIZATION – BUILDING 1/36

Well optimization was conducted during system start-up. One round of VOC concentrations were measured by FID at each extraction well at various flowrates during this quarter. These data were used to establish the flow regime under which maximum VOC concentrations can be extracted from the wells. All extraction wells were operated in May-June (within permit limitations) for approximately one month at flow regimes generating the maximum concentration per flowrate. Wells exhibiting lower concentrations, which do not significantly contribute to mass removal, were closed so that the available SVE system flow capacity could be used for the higher concentration wells. Well optimization curves are plotted on Figures 4 and 5.

## ACTIVITIES FOR NEXT QUARTER – BUILDING 1/36

Over-heating of the GAC beds is thought to be the result of higher than expected concentrations of 2-Butanone or methyl-ethyl ketone (MEK) in extracted vapors over the last week of operations in the Building 1/36 area. System shutdown by vandalism further prevented excess heat from being carried away by air flow. This process can be controlled by carefully monitoring operating conditions such as MEK influent concentrations, exit gas temperatures, and carbon monoxide (CO) concentrations in the GAC vessels. Safety features such as the installation of a cooling air blower, process monitors and control logic, and a water quench system are also recommended. Haley & Aldrich and Boeing Realty Corporation (BRC) are currently undertaking the design and procurement of SVE system modifications to facilitate continuation of GAC-based SVE in the Building 1/36 area. Re-start of the Building 1/36 system will include vapor sampling of wells to isolate the MEK-impacted area. System re-start is anticipated in September, 2002.

A Third Quarter 2002 report summarizing activities during the period July 2002 through September 2002 will be prepared and submitted in October 2002.

## BUILDING 2

The Building 2 extended pilot test system consists of seventeen 2-inch diameter, PVC, single and dual-completion SVE wells, a trailer-mounted, 800-actual cubic feet per minute (acfm) blower system, two 3,000-lb GAC vapor control vessels (primary and secondary), and associated piping. Haley & Aldrich installed the initial pilot test wells

in September 2001 and began system operation on November 27, 2001. Two additional dual-completion extraction wells (2-VEW-16A/B and 2-VEW-17A/B) were installed on May 1, 2002. The multiple locations SCAQMD permit was modified to allow an increase in total flow rate to 890 scfm. The location of the Building 2 pilot test is shown in Figure 1. The well field layout, including well screen depths is shown on Figure 3.

Operations for the first quarter 2002 covered the period April 1, 2002 to June 30, 2002. During this period, the system operated with an up-time efficiency of 93% and removed a total of approximately 810 lbs. of VOCs. Five GAC changeouts, 3,000 lbs. each, were completed during this period on April 4 (both vessels), May 2, May 16, and May 13, 2002.

During this quarter, approximately 300 gallons of water were collected from the knockout system. A double-contained polyethylene tank was installed at the site to temporarily store knockout water.

**FIRST QUARTER 2002 SVE OPERATION SUMMARY – BUILDING 2**

| | |
|---|---|
| Days of Operations | 85 |
| Available Days of Operation | 91 |
| Operational Time (%) | 93 |
| Mass Removed during Period (lbs.) | 810 |
| Cumulative Mass Removed (lbs.) (Nov'01-June'02) | 2,607 |

**OPERATIONS INFORMATION – BUILDING 2**

Operational data and VOC mass removal for the extended SVE pilot test system are tabulated and shown graphically in Attachment 2. The system operation timeline for the period is as follows:

- April 4, 2002 — System shutdown, two GAC vessels were changed out (6,000 lbs), system restarted
- April 14, 2002 — System shutdown unattended due to low flow switch
- April 17, 2002 — System restarted
- May 1, 2002 — System shutdown due to carbon breakthrough, Wells 2-VEW-16 and 2-VEW-17A and B were completed
- May 2, 2002 — One GAC vessel was changed out (3,000 lbs), system restarted
- May 16, 2002 — System shutdown, one GAC vessel was changed out (3,000 lbs), system restarted
- June 7, 2002 — SCAQMD issued a new permit A/N 401433
- June 13, 2002 — System shutdown, one GAC vessel was changed out (3,000 lbs), system restarted

Total days of operation for this period was approximately 85 with intermittent downtime due to GAC changeout. This equates to an up-time of approximately 93 percent when compared with the days available for operation as shown in Attachment 2, Graph 4.

During the period, VOC vapors were drawn from 2-VEW-3B, 4, 5, 6, 7A, 7B, 8A, 8B, 9, 10A, 10B, 11B, 12, 13B, 14B, 15B with valves open to optimized flow rates and concentrations at each of the wellheads. Individual optimal SVE well flow rates ranged from 5 to 98 scfm for a total flow rate from the well field of 630 to 710 scfm. Well optimization is discussed further below. The process flowrates ranged from 630 to 740 scfm. Inlet vacuums ranged from 41 to 65 inches $H_2O$.

For this reporting period, approximately 810 lbs. of VOCs were extracted from the SVE wells and treated with

GAC during 2,023 hours of operation. Since November 27, 2001 approximately 2,607 lbs. of VOCs have been extracted during approximately 4,634 hours of operation. Effluent vapor samples collected on June 4 were within SCAQMD permit requirements with the exception of Toluene under the previous permit. 1,1-DCE exceeded previous permit conditions on June 4, 2002. GAC was changed out on June 13, 2002.

## FIELD MEASUREMENTS – BUILDING 2

VOC concentrations were measured with a PID and/or FID, calibrated to 100 ppmv hexane, as per the SCAQMD permit requirements, at the undiluted inlet, diluted inlet, between the GAC vessels, and at the exhaust stack. Flowrates were measured with a hand-held TSI Veloci-calc Plus hot-wire anemometer or by measuring the pressure differential across an orifice plate. Additional measurements were collected during operation including vacuum readings at each extraction well, pressures at the GAC vessels, and blower exhaust temperature. The field influent VOC measurements are plotted in Attachment 2, Graph 5.

## VAPOR SAMPLING AND ANALYSIS – BUILDING 2

For this period, twelve vapor samples were collected in Tedlar bags from the process air stream (inlet to primary GAC vessel and exhaust from the secondary GAC vessel) and delivered to a state-certified laboratory for analysis. These samples were collected for SCAQMD permit compliance as well as system performance evaluation. The vapor samples were collected using a Tedlar bag in a vacuum case. Laboratory analyses were conducted on vapor grab samples using EPA Method 8260B/TO-14A. The full results of the vapor sampling are summarized in Attachment 2, Tables 4, 5, and 6.

Based on the results of the laboratory analysis of vapor grab samples, maximum inlet VOC concentrations as ppbv for the period are as follows:

| | |
|---|---|
| • Trichloroethene (TCE) | 19,000 ppbv |
| • 1,1 Dichloroethene (1,1 DCE) | 1,700 ppbv |
| • Chloroform | 640 ppbv |
| • Trichloroethane (1,1,1 TCA) | 560 ppbv |
| • Toluene | 520 ppbv |
| • Tetrachloroethene (PCE) | 190 ppbv |
| • Cis-1,2 Dichloroethene (cis-1,2-DCE) | 120 ppbv |
| • 1,1 Dichloroethane (1,1-DCA) | 96 ppbv |
| • Methylene Chloride | 49 ppbv |
| • Trichlorofluoromethane | 45 ppbv |
| • Xylene | 18 ppbv |

Reported influent concentrations varied during the period due to system optimization efforts.

## EXTRACTION WELL OPTIMIZATION – BUILDING 2

Data collection and adjustment of extraction well flow rates began in November 2001. Well optimization continued during the second quarter of 2002. One round of VOC concentrations were measured at each extraction well by PID at various flowrates during this quarter. These data were used to establish the flow regime under which maximum VOC concentrations can be extracted from the wells. Sixteen extraction wells exhibiting the highest VOC concentrations were operated in April through June (within permit limitations) at flow regimes generating the maximum concentration per flowrate. Wells exhibiting lower concentrations, which do not significantly contribute to mass removal, were closed so that the available SVE system flow capacity could be used for the higher concentration wells. Figure 6 illustrates the remediation progress since November 2001.

## ESTIMATED SVE OPERATION DURATION – BUILDING 2

In an effort to predict the asymptotic VOC concentrations and identify the time at which continued operation becomes impractical, a regression analysis of available data was performed and refined. Undiluted influent vapor concentration data was used in the regression analysis to estimate the remaining period of operation for the Building 2 SVE system, based on mass removal rate and concentration targets. The analysis was conducted according to the following regression equation:

$$M_t = M_o e^{(-kt)}$$

Where:

$M_t$ = mass removal rate (lbs./day) at time t (days)
$M_o$ = initial regressed mass removal rate (lbs./day)
k = exponential rate constant (day $^{-1}$)
t = time (days)

Two limiting endpoints were defined as the times at which a 90% and a 99% reduction in the regressed initial mass removal rate will occur ($t_{90\%}$ and $t_{99\%}$), assuming an exponential decline.

$t_{90\%} = 2.303 / k$
$t_{99\%} = 4.605 / k$

Based on the above calculations and data collected through July 3, 2002, a 90% reduction in the regressed initial mass removal rate is predicted to occur after approximately two additional months of operation in August-September 2002 (Attachment 2, Graph 7). A 99% reduction in the regressed initial mass removal rate is predicted to occur after approximately seven additional months of operation in January-February 2003. These results extend the predicted 90% and 99% removal dates by approximately one month when compared to previous predicted dates.

The above model was also applied to VOC concentration data from each extraction well. Data for the extraction wells is based on PID readings at the wellheads and includes more data points. An average rate constant for the group was calculated as follows:

$$C_t = C_o e^{(-kt)}$$

Where:

$C_t$ = concentration (ppmV) at time t (days)
$C_o$ = initial regressed concentration (ppmV)

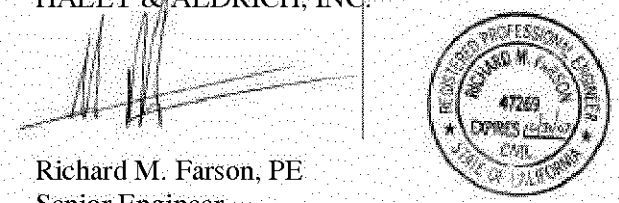
Based on data collected to-date, a 90% reduction in the initial regressed well concentrations occurred in March or April 2002 (Attachment 2. Graph 8). Measured concentrations have decreased at least 90% in most of the wells based on second quarter 2002 monitoring. A 99% reduction in the initial regressed well concentrations is predicted to occur in July or August 2002 based on the latest data. These estimates extend the time period by approximately one month over previous estimates and will be refined over the next quarter as VOC concentrations continue to decline.

## ACTIVITIES FOR NEXT QUARTER – BUILDING 2

The extended SVE pilot test will continue operation on SVE wells selected to maximize mass removal. GAC changeouts will be conducted as necessary. Data collected will be applied to the regression model to further refine the predicted time when asymptotic concentrations and mass removal levels will be reached. A Third Quarter 2002 report summarizing activities during the period July 2002 through September 2002 will be prepared and submitted to BRC in October 2002.

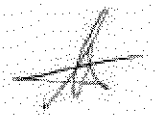
We appreciate the opportunity to provide environmental consulting services on this project. Please do not hesitate to call if you have any questions or comments.

Sincerely yours,
HALEY & ALDRICH, INC.






Richard M. Farson, PE
Senior Engineer

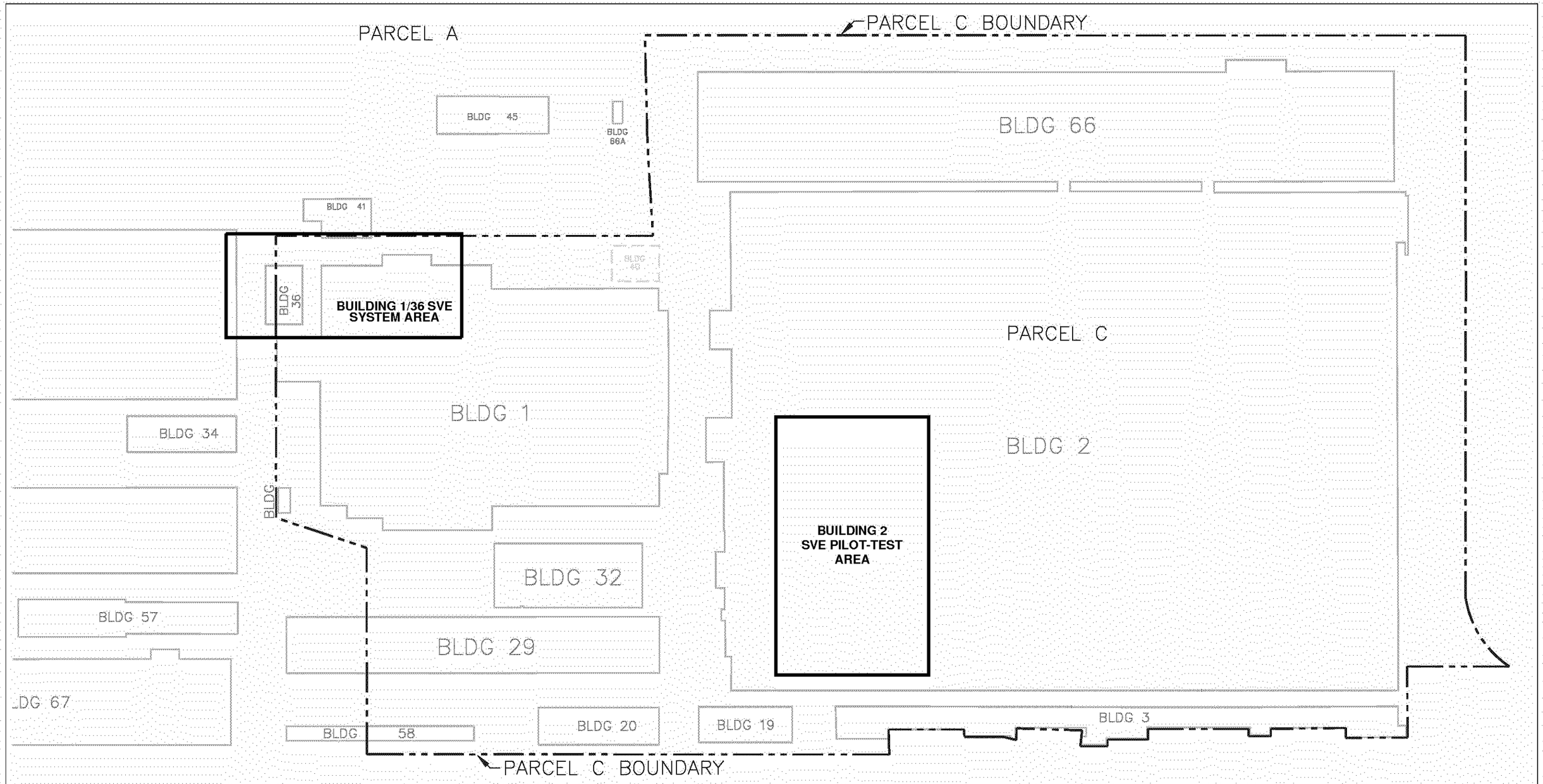


Scott P. Zachary
Project Manager

Enclosures:

Figure 1 – SVE System Locations Building 1/36 and Building 2
Figure 2 – Building 1/36 SVE System Diagram
Figure 3 – Building 2 SVE Pilot Test System Diagram
Figure 4 – Building 1/36 Full-Scale System, Flow vs. Concentration (Very High and High)
Figure 5 – Building 1/36 Full-Scale System, Flow vs. Concentration (Medium and Low)
Figure 6 – Building 2 SVE Pilot Test System Contours
Attachment 1 – Building 1/36 SVE Operational Data
Attachment 2 – Building 2 SVE Operational Data

cc: John Scott, Boeing
Scott Zachary, Haley & Aldrich
Richard Farson, Haley & Aldrich
File




SOURCE OF BASEMAP: KENNEDY JENKS CONSULTANTS, 2000, SAMPLING AND ANALYSIS PLAN, BOEING REALTY CORPORATION'S C-6 FACILITY, PARCEL C, LOS ANGELES, CA, AUGUST 16, 2000.
G:\PROJECTS\ENVIRONMENTAL\28997\DGS\AUTOCAD\28997005.DWG

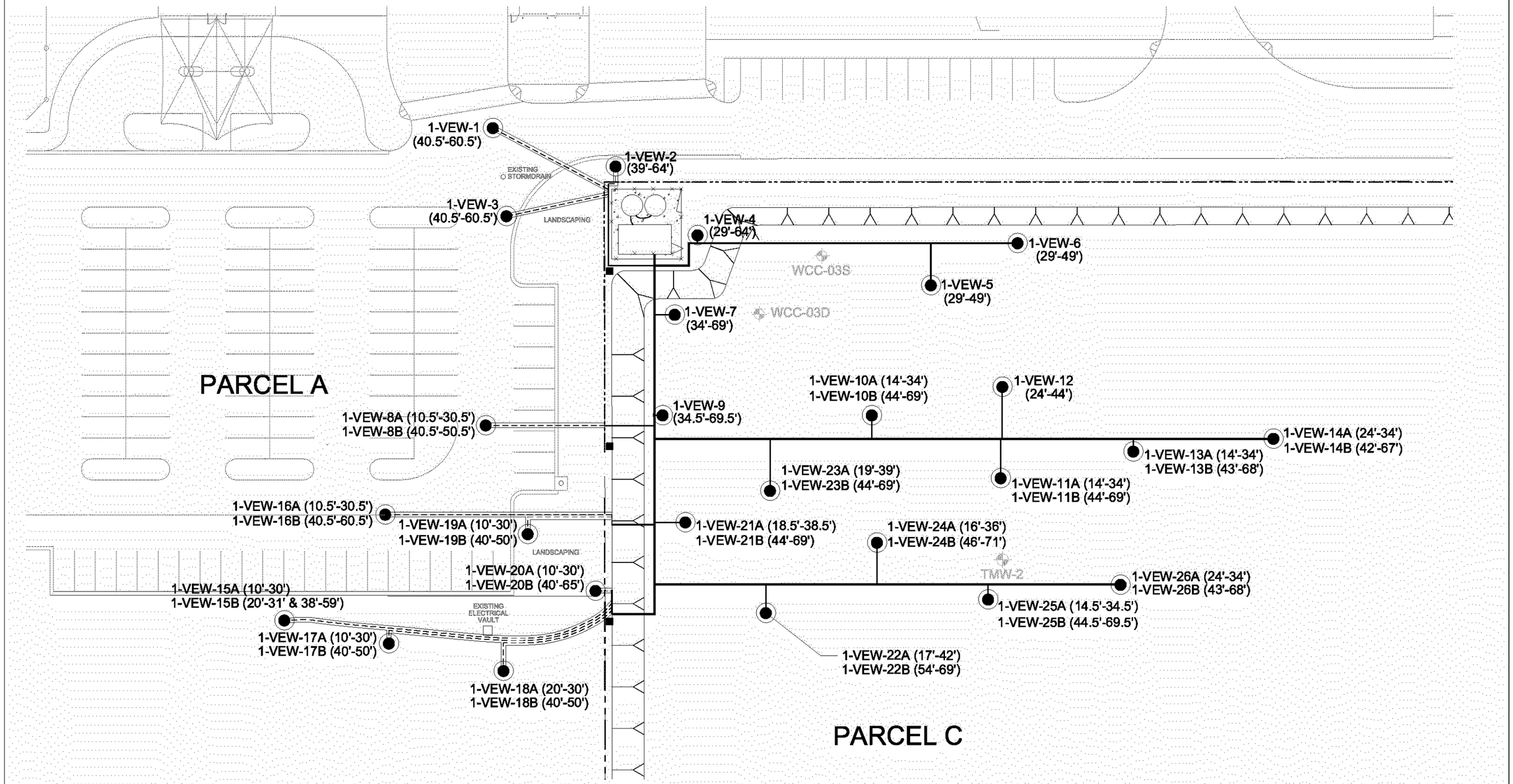
HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

FIGURE: 1

**SVE SYSTEM LOCATIONS**
**BUILDING 1/36 AND BUILDING 2**

| SCALE: AS SHOWN | QA/QC: | PROJECT: 28997-005 |
|---|---|---|
| DRAWN: SAL | REVIEWED: RMF | DATE: 15 JUNE 2002 |




LEGEND

- PROPERTY LINE
- ABOVE GROUND PIPING
- BELOW GROUND PIPING
- SLOPE (TOP OF SLOPE)
- TMW-2 — EXISTING G.W. MONITORING WELL
- VAPOR EXTRACTION WELL
- (40'-65') — SCREEN INTERVAL

N

0 15 30 60

FEET

NOTE: ALL DIMENSIONS AND LOCATIONS APPROXIMATE

G:\PROJECTS\28997\-005\AUTOCAD\28997003.DWG

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

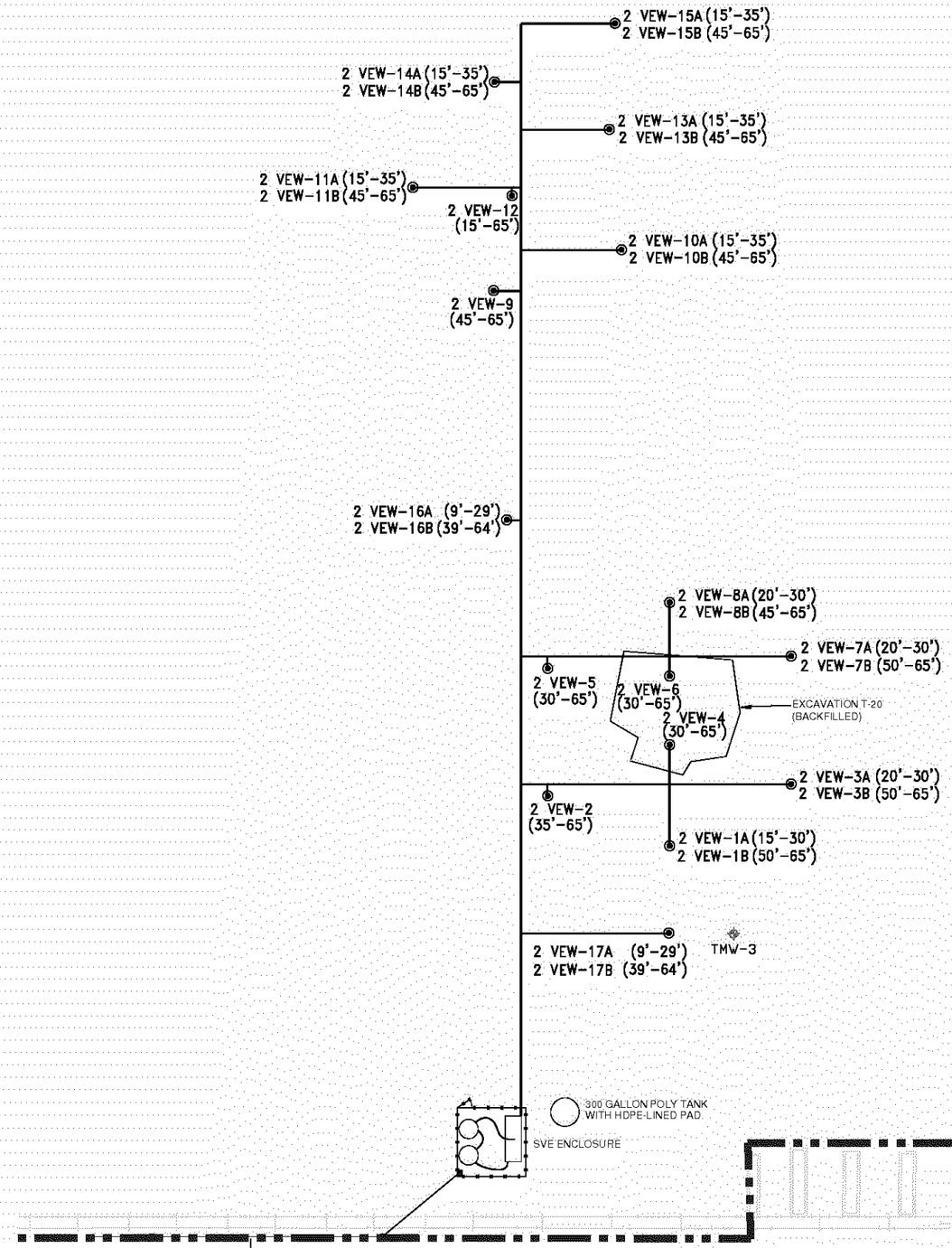
BOEING REALTY CORPORATION
FORMER C-6 FACILTY
LOS ANGELES, CALIFORNIA

FIGURE: 2

# BUILDING 1/36
# SVE SYSTEM DIAGRAM

SCALE: AS SHOWN | PROJECT: 28997-005

DRAWN: SAL | REVIEWED: RMF | DATE: 15 JUNE 2002




LEGEND

- VAPOR EXTRACTION WELL
- GROUNDWATER MONITDR WELL
- ABOVE-GROUND PIPING
- (15'-30') SCREENED INTERVALS (FEET BELOW GROUND SURFACE)
- PPMV PARTS PER MILLION BY VOLUME

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

BOEING REALTY CORPORATION
FORMER C-6 FACILTY
LOS ANGELES, CALIFORNIA

# BUILDING 2 SVE PILOT TEST SYSTEM

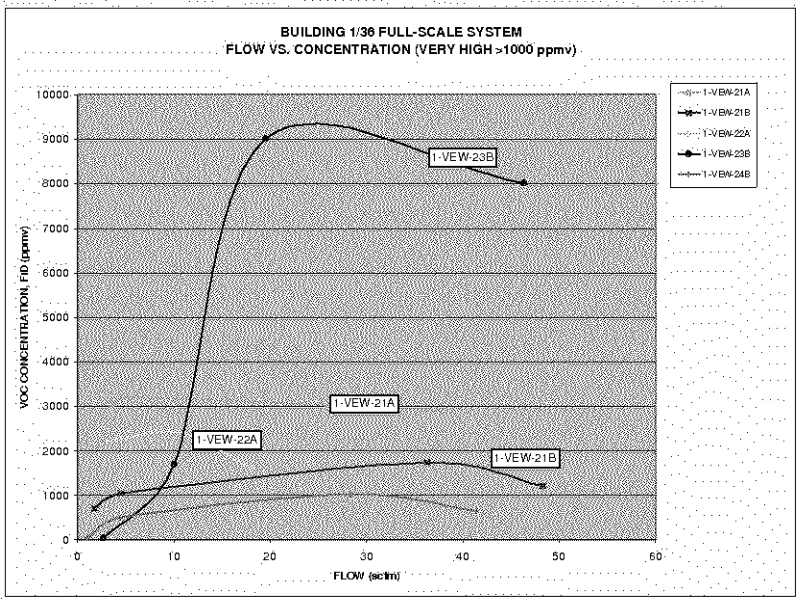
FIGURE: 3

SCALE: AS SHOWN | PROJECT: 28997-005

DRAWN: SAL | REVIEWED: RMF | DATE: 15 JUNE 2002

G:\PROJECTS\ENVIRONMENTAL\28997\-005\AUTOCAD\28997004.DWG

FIGURE 4
BUILDING 1/36 FULL-SCALE SYSTEM
FLOW VS. CONCENTRATION (VERY HIGH AND HIGH)



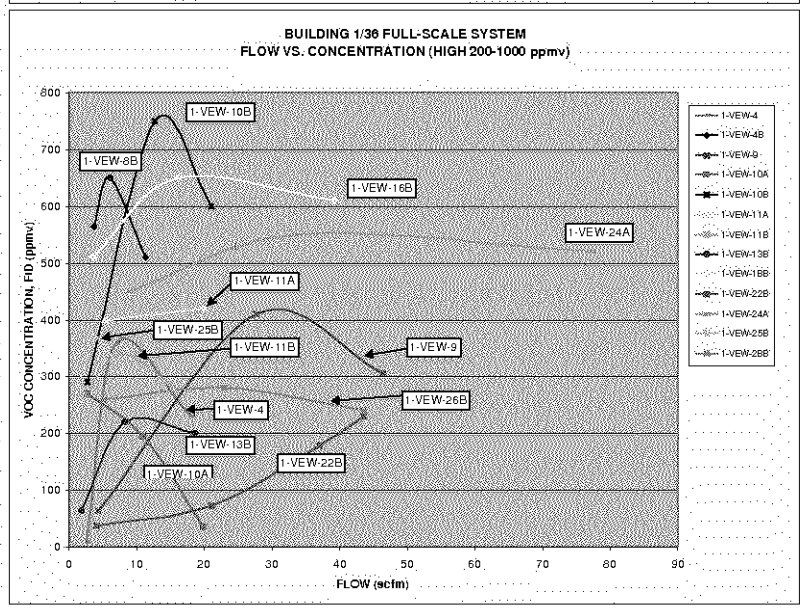
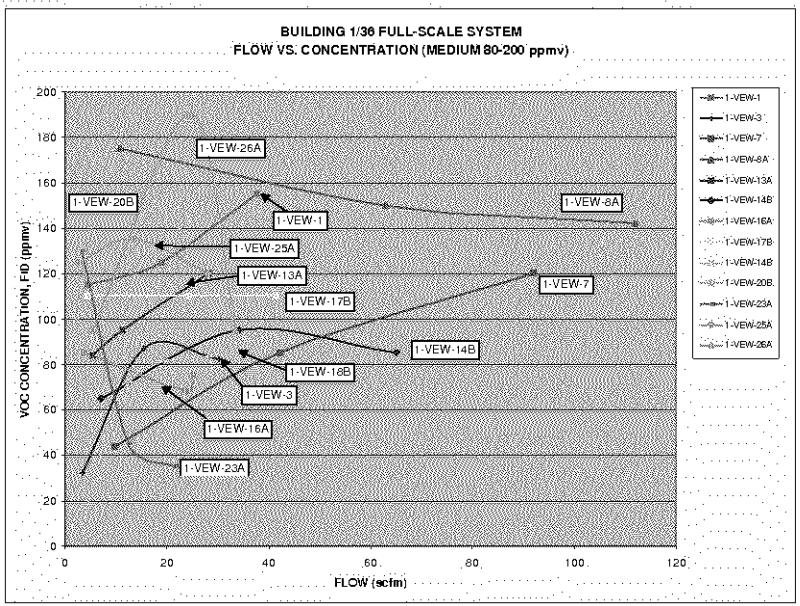
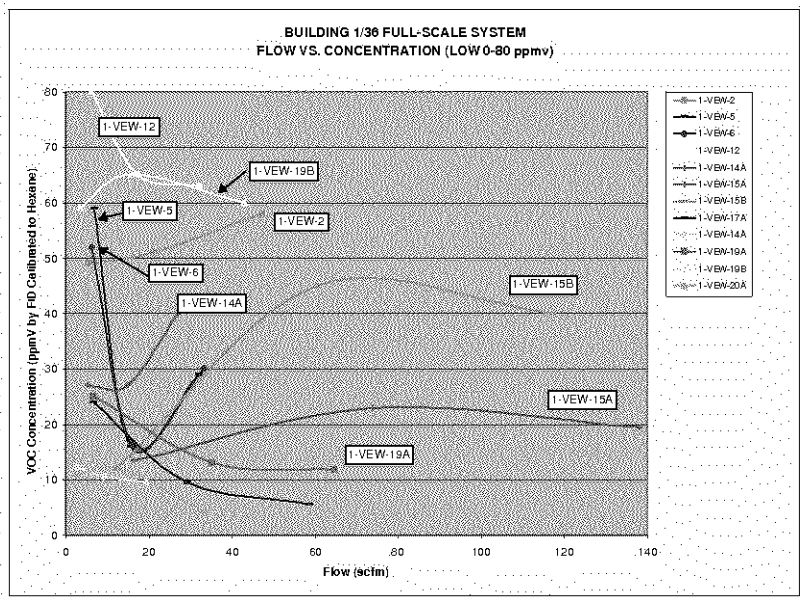
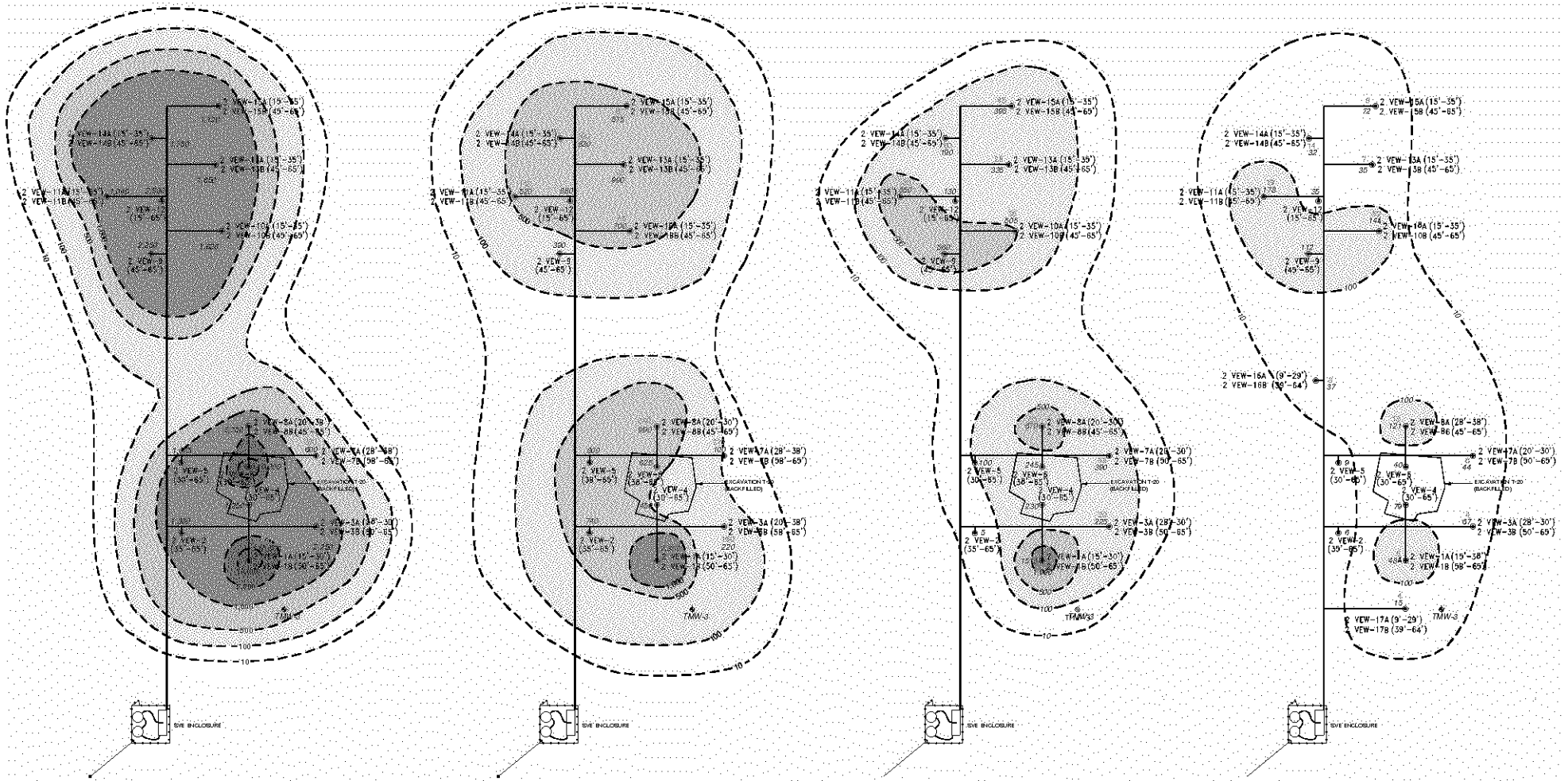



FIGURE 5
BUILDING 1/36 FULL-SCALE SYSTEM
FLOW VS. CONCENTRATION (MEDIUM AND LOW)






LEGEND

- SHALLOW
- DEEP
- VAPOR EXTRACTION WELL
- GROUNDWATER MONITOR WELL
- ABOVE-GROUND PIPING
- (15'-30'): SCREENED INTERVALS (FEET BELOW GROUND SURFACE)
- PPMV: PARTS PER MILLION BY VOLUME
- SVE = 10 PPMV - 100 PPMV
- SVE = 101 PPMV - 500 PPMV
- SVE = 501 PPMV - 1,000 PPMV
- SVE = 1,001 PPMV - 5,000 PPMV
- SVE = 5,001 PPMV - 10,000 PPMV
- SVE = 10,001+ PPMV
- SVE CONCENTRATION CONTOUR

0 15 30 60

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

FIGURE: 6

BUILDING 2 SVE PILOT TEST
SYSTEM CONTOURS - 27 NOV 01, 3 JAN 02, 30 MARCH 02 & 3 JULY 02

SCALE: -

PROJECT: 28997-003

DRAWN: SJL | REVIEWED: RLM | DATE: 26 JULY 2002

# ATTACHMENT 1

# BUILDING 1/36
# SVE OPERATIONAL DATA

# TABLE 1 - BUILDING 1/36 SVE SYSTEM INFLUENT LABORATORY DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 1/36 SVE system

| COMPOUND | SAMPLE DATE | 1/3/2002 | 2/7/2002 | 3/6/2002 | 5/21/2002 | 6/3/2002 |
|---|---|---|---|---|---|---|
| | SAMPLE TYPE | Diluted Inlet | Diluted Inlet | Inlet | Inlet | Inlet |
| | LAB ID | DILUTED_ BLDG1_ 010302 | DILUTED_ BLDG1_ 010302 | DILUTED_ BLDG1_ 010302 | GAC0001D_AV052102_0001 | GAC0001D_AV060302_0002 |
| 1,1 Dichloroethene (ppbv) | | 32,000 | 140,000 | 140,000 | 83,000 | 43,000 |
| Methylene chloride (ppbv) | | ND | 300 | 2,500 | 6,200 | 8,400 |
| 1,1 Dichloroethane (ppbv) | | 1,400 | 3,700 | 5,700 | 2,200 | 2,700 |
| 1,2 Dichloroethane (ppbv) | | ND | 250 | 560 | ND | ND |
| cis-1,2 Dichloroethene (ppbv) | | 380 | 1,600 | 2,800 | 1,400 | 1,700 |
| 1,1,1 Trichloroethane (ppbv) | | 34,000 | 170,000 | 220,000 | 15,000 | 220,000 |
| 1,1,2 Trichloroethane (ppbv) | | ND | 120 | ND | ND | ND |
| Trichloroethene (ppbv) | | 12,000 | 45,000 | 61,000 | 48,000 | 29,000 |
| Tetrachloroethene (ppbv) | | ND | 190 | 1,600 | 260 | ND |
| Toluene (ppbv) | | 1,800 | 81,000 | 210,000 | 22,000 | 170,000 |
| 2-Butanone (MEK) | | ND | ND | ND | 62,000 | 150,000 |
| 4-Methyl-2-pentanone (MIBK) | | ND | ND | 250 | 2,100 | 14,000 |
| Xylene (ppbv) | | ND | 1,700 | 5,000 | 910 | 2,500 |

Notes:
ppbv = parts per billion by volume
ND = Below method detction limits

# TABLE 2 - BUILDING 1/36 SVE SYSTEM FIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

| DATE | HOUR METER | TIME | UNDILUTED FLOW RATE (1) (scfm) | UNDILUTED VACUUM (inches H2O) | DILUTED FLOW RATE (1) (scfm) | DILUTED INFLUENT CONC. PID (2) (ppmv) | MID PONT CARBON CONC. PID (2) (ppmv) | EFFLUENT CARBON CONC. PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 01/03/02 | 1625 | 13:15 | 32 | 48 | 200 | 320 | 0.0 | 0.0 | |
| 01/10/02 | 1794 | 14:00 | 30 | 17 | 200 | 390 | 0.1 | 0.0 | |
| 01/18/02 | 1980 | 8:30 | 3 | 15 | 184 | 760 | 0.0 | 0.0 | |
| 01/24/02 | 2127 | 11:00 | 93 | 15 | 178 | >9,999 | 0.0 | 0.0 | |
| 01/31/02 | 2294 | 13:45 | NR | 13 | 175 | 4,000 | 63 | 0.0 | GAC Changeout |
| 02/07/02 | 2324 | 16:50 | 50 | 13 | 165 | 3,540 | 2 | 0.0 | |
| 02/15/02 | 2517 | 17:50 | 40 | NR | 170 | 3,600 | 26 | 0.1 | |
| 02/21/02 | 2661 | 17:44 | 47 | 13 | 170 | 4,300 | 240 | 0.0 | GAC Changeout |
| 02/27/02 | 2661 | 14:17 | 46 | 14 | 185 | 3,900 | 1.5 | 0.0 | |
| 03/06/02 | 2828 | 13:40 | 110 | 17 | 195 | >9,999 | 45 | 0.2 | GAC Changeout |
| 03/13/02 | 2995 | 16:20 | 56 | 14 | 163 | 4,550 | 2 | 0.0 | |
| 03/20/02 | 3155 | 8:30 | NR | 19.5 | 183 | 3,700 | 2 | 0.2 | |
| 03/29/02 | 3371 | 8:15 | 60 | 13 | 166 | 2,864 | 57 | 0.2 | System shut-down and removal |
| Pilot system removed | | | | | | | | | |
| 05/15/02 | 5 | 16:50 | 985 | 96 | 995 | 375 * | 0.1 * | 0.7 * | |
| 05/16/02 | 31 | 17:45 | 1040 | 91 | 1060 | 320 * | 14.2 * | 0.2 * | |
| 05/17/02 | 55 | 17:20 | 915 | 69 | 985 | 310 * | 0.0 * | 0.1 * | |
| 05/18/02 | 76 | 14:40 | 840 | 90 | 870 | 845 | 45.0 | 0.0 | Primary vessel switched |
| 05/19/02 | 97 | 11:40 | 875 | 88 | 905 | 780 | 18.0 | 10.0 | |
| 05/20/02 | 119 | 10:00 | 900 | 88 | 905 | 725 | 14.0 | 12.0 | |
| 05/21/02 | 143 | 14:50 | 935 | 72 | 975 | 160 | 34.0 | 7.5 | GAC Changeout |
| 05/22/02 | 169 | 17:10 | 925 | 77 | 950 | 330 | 9.8 | 7.0 | |
| 05/23/02 | 190 | 14:35 | 925 | 62 | 815 | 355 | 9.8 | 9.0 | |
| 05/24/02 | 208 | 8:41 | 403 | 61 | 400 | 1,250 | 13.0 | 12.0 | |
| 05/25/02 | 236 | 12:40 | 383 | 60 | 377 | 850 | 10.5 | 9.0 | |
| 05/26/02 | 259 | 11:20 | 392 | 61 | 364 | 1,000 | 13.0 | 11.8 | |
| 05/27/02 | 283 | 11:24 | 402 | 60 | 368 | 1,000 | 25.0 | 12.0 | GAC Changeout |
| 05/29/02 | 286 | 17:30 | 830 | 95 | 795 | 245 * | 0.0 * | 0.0 * | |
| 06/03/02 | 400 | 10:00 | 780 | 109 | 760 | 350 | 60.0 | 7.5 | Primary vessel switched |
| Carbon bed overheating discovered 6/12/02 | | | | | | | | | |

**Notes:**
(1) Direct flow readings taken by hand-held TSI Veloci-calc Plus or orifice plate
(2) Measurements taken with a Foxboro OVA-108 PID calibrated to 100 ppmv Hexane
* PID Adjusted to FID equivalents as Hexane by multplying PID Reading by 0.35 (Hexane Equiv = PID Reading x PID CF X FID RF)
scfm = standard cubic feet per minute
ppmv = parts per million by volume
NR = Not Recorded
> Greater than

# TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 1/36 SVE system

| WELL ID | DATE | TIME | FLOW RATE (scfm) | VACUUM (inches H2O) | WELLHEAD PID (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|
| **1-VEW-1** | 3/6/2002 | 13:40 | NA | 0.0 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.5 | NA | " |
| | 5/23/2002 | 11:21 | 4.41 | 9 | 115 | Well Opened |
| | 5/23/2002 | 12:38 | 18.9 | 40 | 125 | " |
| | 5/23/2002 | 14:19 | 37.6 | 96 | 155 | " |
| | 6/3/2002 | 10:00 | 39 | 90 | 51 | " |
| **1-VEW-2** | 3/6/2002 | 13:40 | NA | 0.5 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 1 | NA | " |
| | 5/23/2002 | 11:24 | 5.45 | 9 | 49 | Well Opened |
| | 5/23/2002 | 12:35 | 21.2 | 35.5 | 51 | " |
| | 5/23/2002 | 14:23 | 47.2 | 96 | 58 | " |
| | 6/3/2002 | 10:00 | 45 | 90 | 30 | " |
| **1-VEW-3** | 3/6/2002 | 13:40 | NA | 0.1 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.6 | NA | " |
| | 5/23/2002 | 11:17 | 3.37 | 8.5 | 32 | Well Opened |
| | 5/23/2002 | 12:43 | 15.6 | 42 | 87 | " |
| | 5/23/2002 | 14:13 | 30.2 | 96 | 82 | " |
| | 6/3/2002 | 10:00 | 24 | 69 | 40 | " |
| **1-VEW-4** | 3/6/2002 | 13:40 | NA | 1.4 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 1.4 | NA | " |
| | 5/23/2002 | 10:45 | 2.61 | 13 | 8 | Well Opened |
| | 5/23/2002 | NA | 7.05 | 34.5 | 360 | " |
| | 5/23/2002 | 14:08 | 18.1 | 96 | 230 | " |
| | 6/3/2002 | 10:00 | 9 | 51 | 120 | " |
| **1-VEW-5** | 3/6/2002 | 13:40 | NA | 1.4 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 1.5 | NA | " |
| | 5/21/2002 | 11:38 | 6.9 | 12 | 59 | Well Opened |
| | 5/21/2002 | 13:02 | 15.6 | 19 | 16 | " |
| | 5/21/2002 | 12:45 | 32.1 | 34 | 29 | " |
| | 6/3/2002 | 10:00 | NA | 10 | NA | Well Closed |
| **1-VEW-6** | 3/6/2002 | 13:40 | NA | 2.2 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 1.6 | NA | " |
| | 5/21/2002 | 11:25 | 6.3 | 8 | 52 | Well Opened |
| | 5/21/2002 | 13:05 | 16.5 | 15 | 16 | " |
| | 5/21/2002 | 12:50 | 33.3 | 30 | 30 | " |
| | 6/3/2002 | 10:00 | NA | 7 | NA | Well Closed |

# TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 1/36 SVE system

| WELL ID | DATE | TIME | FLOW RATE (scfm) | VACUUM (inches H2O) | WELLHEAD PID (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|
| **1-VEW-7** | 3/6/2002 | 13:40 | NA | 1.9 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.1 | NA | " |
| | 5/23/2002 | 10:38 | 9.85 | 13 | 44 | Well Opened |
| | 5/23/2002 | 11:37 | 42.1 | 41 | 85 | " |
| | 5/23/2002 | 13:58 | 92 | 95 | 120 | " |
| | 6/3/2002 | 10:00 | 88 | 88 | 30 | " |
| **1-VEW-8A** | 3/6/2002 | 13:40 | NA | 0.5 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.6 | NA | " |
| | 5/22/2002 | 11:25 | 10.75 | 11.5 | 175 | Well Opened |
| | 5/22/2002 | 14:23 | 63 | 41.5 | 150 | " |
| | 5/22/2002 | 15:32 | 112 | 82 | 142 | " |
| | 6/3/2002 | 10:00 | 33 | 22 | 40 | " |
| **1-VEW-8B** | 3/6/2002 | 13:40 | NA | 0.3 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.6 | NA | " |
| | 5/17/2002 | NA | 3.7 | 14 | 565 | Well Opened |
| | 5/17/2002 | NA | 6.05 | 43 | 650 | " |
| | 5/17/2002 | NA | 11.3 | 72 | 510 | " |
| | 6/3/2002 | 10:00 | 10 | 90 | 60 | " |
| **1-VEW-9** | 3/6/2002 | 13:40 | NA | NA | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | NA | NA | " |
| | 5/23/2002 | 10:30 | 4.33 | 13 | 63 | " |
| | 5/23/2002 | 13:05 | 27.7 | 45 | 410 | Well Opened |
| | 5/23/2002 | 13:56 | 46.4 | 95 | 305 | " |
| | 6/3/2002 | 10:00 | 49 | 88 | 120 | " |
| **1-VEW-10A** | 3/6/2002 | 13:40 | NA | NA | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | NA | NA | " |
| | 5/16/2002 | NA | 2.7 | 26 | 270 | Well Opened |
| | 5/16/2002 | NA | 11 | 54 | 195 | " |
| | 5/16/2002 | NA | 19.8 | 18 | 35 | " |
| | 6/3/2002 | 10:00 | 19 | 65 | 16 | " |
| **1-VEW-10B** | 3/6/2002 | 13:40 | NA | NA | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | NA | NA | |
| | 5/20/2002 | 13:05 | 2.74 | 20 | 290 | Well Opened |
| | 5/20/2002 | 15:45 | 12.7 | 25 | 750 | |
| | 5/20/2002 | 16:53 | 21 | 78 | 600 | |
| | 6/3/2002 | 10:00 | 29 | 60 | 290 | |
| **1-VEW-11A** | 3/6/2002 | 13:40 | NA | 4.7 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 2.8 | NA | " |
| | 5/15/2002 | 18:08 | 5.3 | 40 | 400 | Well Opened |
| | 5/15/2002 | 19:22 | 5.6 | >100 | 400 | " |
| | 5/15/2002 | 18:57 | 20.1 | 52 | 420 | " |
| | 6/3/2002 | 10:00 | 22 | 90 | 44 | Well Closed |

# TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 1/36 SVE system

| WELL ID | DATE | TIME | FLOW RATE (scfm) | VACUUM (inches H2O) | WELLHEAD PID (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|
| **1-VEW-11B** | 3/6/2002 | 13:40 | NA | 5.0 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 3.0 | NA | " |
| | 5/18/2002 | 9:40 | 2.16 | 23.5 | 270 | Well Opened |
| | 5/18/2002 | 11:50 | 7.7 | 38 | 340 | " |
| | 5/18/2002 | 13:35 | 15.5 | 60 | 280 | " |
| | 6/3/2002 | 10:00 | 29 | 50 | 75 | " |
| **1-VEW-12** | 3/6/2002 | 13:40 | NA | 3.5 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 2.2 | NA | " |
| | 5/21/2002 | 11:45 | 6.2 | 18.5 | 80 | Well Opened |
| | 5/21/2002 | 13:44 | 17.3 | 43 | 65 | " |
| | 5/21/2002 | 12:40 | 32.3 | 90 | 63 | " |
| | 6/3/2002 | 10:00 | 17 | 55 | 14 | Well Closed |
| **1-VEW-13A** | 3/6/2002 | 13:40 | NA | 3.0 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 2.0 | NA | " |
| | 5/15/2002 | 18:23 | 5.4 | 20 | 84 | Well Opened |
| | 5/15/2002 | 19:05 | 11.2 | 56 | 95 | " |
| | 5/15/2002 | 19:29 | 28.1 | >100 | 120 | " |
| | 6/3/2002 | 10:00 | 59 | 87 | 14 | " |
| **1-VEW-13B** | 3/6/2002 | 13:40 | NA | 2.9 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 2.2 | NA | " |
| | 5/18/2002 | NA | 1.84 | 18.5 | 63 | Well Opened |
| | 5/18/2002 | NA | 8.3 | 33 | 220 | " |
| | 5/18/2002 | NA | 18.6 | 60.5 | 200 | " |
| | 6/3/2002 | 10:00 | 26 | 45 | 60 | " |
| **1-VEW-14A** | 3/6/2002 | 13:40 | NA | 0.4 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.4 | NA | " |
| | 5/15/2002 | 18:48 | 5.3 | 24 | 27 | Well Opened |
| | 5/15/2002 | 19:11 | 15 | 30 | 27 | " |
| | 5/15/2002 | 19:37 | 27 | >100 | 40 | " |
| | 6/3/2002 | 10:00 | 22 | 64 | 14 | Well Closed |
| **1-VEW-14B** | 3/6/2002 | 13:40 | NA | 1.8 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 1.8 | NA | " |
| | 5/18/2002 | NA | 7.1 | 15.5 | 65 | Well Opened |
| | 5/18/2002 | NA | 34.2 | 33.5 | 95 | " |
| | 5/18/2002 | NA | 65 | 61 | 85 | " |
| | 6/3/2002 | 10:00 | 38 | 40 | 35 | " |
| **1-VEW-15A** | 3/6/2002 | 13:40 | NA | 0.0 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.0 | NA | " |
| | 5/22/2002 | 12:14 | 16.4 | 6.5 | 13.5 | Well Opened |
| | 5/22/2002 | 13:51 | 74 | 35 | 23 | " |
| | 5/22/2002 | 16:00 | 138 | 80 | 19.5 | " |
| | 6/3/2002 | 10:00 | 84 | 61 | NA | Well Closed |

# TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 1/36 SVE system

| WELL ID | DATE | TIME | FLOW RATE (scfm) | VACUUM (inches H2O) | WELLHEAD PID (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|
| **1-VEW-15B** | 3/6/2002 | 13:40 | NA | 0.0 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.0 | NA | " |
| | 5/17/2002 | NA | 12 | 4 | 12 | Well Opened |
| | 5/17/2002 | NA | 60.5 | 27 | 45 | " |
| | 5/17/2002 | NA | 117 | 72 | 40 | " |
| | 6/3/2002 | 10:00 | 74 | 34 | NA | Well Closed |
| **1-VEW-16A** | 3/6/2002 | 13:40 | NA | 0.0 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.2 | NA | " |
| | 5/22/2002 | 11:43 | 3.72 | 11 | 85 | Well Opened |
| | 5/22/2002 | 14:17 | 23.9 | 72 | 68 | " |
| | 5/22/2002 | 15:41 | 25.1 | 82 | 75 | " |
| | 6/3/2002 | 10:00 | 18 | 70 | 17 | " |
| **1-VEW-16B** | 3/6/2002 | 13:40 | NA | 0.0 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.5 | NA | " |
| | 5/17/2002 | NA | 3.6 | 11 | 510 | Well Opened |
| | 5/17/2002 | NA | 16.1 | 25 | 650 | " |
| | 5/17/2002 | NA | 39.3 | 74 | 610 | " |
| | 6/3/2002 | 10:00 | 22 | 65 | 80 | " |
| **1-VEW-17A** | 3/6/2002 | 13:40 | NA | 0.0 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.1 | NA | " |
| | 5/22/2002 | 12:00 | 6.55 | 7 | 24 | Well Opened |
| | 5/22/2002 | 13:57 | 29.2 | 35 | 9.5 | " |
| | 5/22/2002 | 15:54 | 58.5 | 80 | 5.6 | " |
| | 6/3/2002 | 10:00 | NA | NA | NA | Well Closed |
| **1-VEW-17B** | 3/6/2002 | 13:40 | NA | 0.0 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.2 | NA | " |
| | 5/17/2002 | NA | 4.5 | 6 | 110 | Well Opened |
| | 5/17/2002 | NA | 24.2 | 36 | 110 | " |
| | 5/17/2002 | NA | 41.5 | 72 | 110 | " |
| | 6/3/2002 | 10:00 | 40 | 58 | 6 | " |
| **1-VEW-18A** | 3/6/2002 | 13:40 | NA | 0.0 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.3 | NA | " |
| | 5/22/2002 | 12:18 | 2.8 | 33.5 | 12.2 | Well Opened |
| | 5/22/2002 | 13:45 | 9.25 | 72 | 10.5 | " |
| | 5/22/2002 | 16:08 | 19.4 | 80 | 9.5 | " |
| | 6/3/2002 | 10:00 | NA | NA | NA | Well Closed |
| **1-VEW-18B** | 3/6/2002 | 13:40 | NA | 0.2 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.4 | NA | " |
| | 5/17/2002 | NA | 3 | 2 | 7.9 | Well Opened |
| | 5/17/2002 | NA | 12.75 | 16 | 73 | " |
| | 5/17/2002 | NA | 32.5 | 72 | 85 | " |
| | 6/3/2002 | 10:00 | 32 | 86 | 22 | " |

# TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 1/36 SVE system

| WELL ID | DATE | TIME | FLOW RATE (scfm) | VACUUM (inches H2O) | WELLHEAD PID (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|
| **1-VEW-19A** | 3/6/2002 | 13:40 | NA | 0.0 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.0 | NA | " |
| | 5/22/2002 | 11:49 | 6.55 | 9.5 | 25.1 | Well Opened |
| | 5/22/2002 | 14:12 | 35.2 | 40 | 13 | " |
| | 5/22/2002 | 15:48 | 64.5 | 82 | 11.7 | " |
| | 6/3/2002 | 10:00 | NA | 15 | NA | Well Closed |
| **1-VEW-19B** | 3/6/2002 | 13:40 | NA | 0.6 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.6 | NA | " |
| | 5/17/2002 | NA | 3.5 | 14 | 59 | Well Opened |
| | 5/17/2002 | NA | 15.8 | 34 | 65 | " |
| | 5/17/2002 | NA | 43.1 | 74 | 60 | " |
| | 6/3/2002 | 10:00 | 16 | 87 | 5 | " |
| **1-VEW-20A** | 3/6/2002 | 13:40 | NA | 1.3 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 0.9 | NA | " |
| | 5/22/2002 | 12:23 | 2.87 | 9 | 11 | Well Opened |
| | 5/22/2002 | 13:39 | 14.1 | 31.5 | 11.8 | " |
| | 5/22/2002 | 16:12 | 33.1 | 80 | 4.2 | " |
| | 6/3/2002 | 10:00 | NA | 10 | NA | Well Closed |
| **1-VEW-20B** | 3/6/2002 | 13:40 | NA | 1.4 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 1.0 | NA | " |
| | 5/17/2002 | 10:30 | 2.32 | 14 | 100 | Well Opened |
| | 5/17/2002 | NA | 10.7 | 22 | 170 | " |
| | 5/17/2002 | NA | 32.6 | 72 | 105 | " |
| | 6/3/2002 | 10:00 | 33 | 61 | 18 | " |
| **1-VEW-21A** | 3/6/2002 | 13:40 | NA | NA | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | NA | NA | " |
| | 5/16/2002 | NA | 3.57 | 39 | 3040 | Well Opened |
| | 5/16/2002 | NA | 5.4 | 48 | 3200 | " |
| | 5/16/2002 | NA | 37.7 | 96 | 2900 | " |
| | 6/3/2002 | 10:00 | 28 | 55 | NA | " |
| **1-VEW-21B** | 3/6/2002 | 13:40 | NA | NA | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | NA | NA | " |
| | 5/20/2002 | 13:22 | 1.74 | 15 | 700 | Well Opened |
| | 5/20/2002 | 15:28 | 4.5 | 45 | 1030 | " |
| | 5/20/2002 | 17:24 | 36.3 | 79 | 1725 | " |
| | 5/21/2002 | 9:55 | 48.3 | 92 | 1200 | " |
| | 6/3/2002 | 10:00 | 47 | 90 | NA | " |

# TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 1/36 SVE system

| WELL ID | DATE | TIME | FLOW RATE (scfm) | VACUUM (inches H2O) | WELLHEAD PID (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|
| **1-VEW-22A** | 3/6/2002 | 13:40 | NA | 5.0 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 3.1 | NA | " |
| | 5/16/2002 | NA | 3.1 | 28 | 2200 | Well Opened |
| | 5/16/2002 | NA | 10.6 | 52 | 2400 | " |
| | 5/16/2002 | NA | 18.05 | 92 | 1600 | " |
| | 6/3/2002 | 10:00 | 18 | 74 | 80 | " |
| **1-VEW-22B** | 3/6/2002 | 13:40 | NA | 5.1 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 3.1 | NA | " |
| | 5/20/2002 | 13:30 | 4.12 | 16 | 37 | Well Opened |
| | 5/20/2002 | 15:20 | 21.1 | 40 | 72 | " |
| | 5/20/2002 | 17:35 | 37 | 77 | 179 | " |
| | 5/21/2002 | 10:07 | 43.6 | 91 | 230 | " |
| | 6/3/2002 | 10:00 | 51 | 88 | 20 | " |
| **1-VEW-23A** | 3/6/2002 | 13:40 | NA | NA | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | NA | NA | " |
| | 5/16/2002 | NA | 3.25 | 20 | 130 | Well Opened |
| | 5/16/2002 | NA | 12.5 | 49 | 45 | " |
| | 5/16/2002 | NA | 21.4 | 20 | 35 | " |
| | 6/3/2002 | 10:00 | 14 | 40 | 11 | Well Closed |
| **1-VEW-23B** | 3/6/2002 | 13:40 | NA | NA | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | NA | NA | " |
| | 5/20/2002 | 13:16 | 2.67 | 15 | 46 | Well Opened |
| | 5/20/2002 | 15:38 | 10 | 23 | 1700 | " |
| | 5/20/2002 | 17:08 | 19.5 | 79 | 9000 | " |
| | 5/21/2002 | 9:48 | 46.3 | 94 | 8000 | " |
| | 6/3/2002 | 10:00 | 37 | 90 | 600 | " |

# TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 1/36 SVE system

| WELL ID | DATE | TIME | FLOW RATE (scfm) | VACUUM (inches H2O) | WELLHEAD PID (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|
| **1-VEW-24A** | 1/18/2002 | 10:40 | NA | 88 | > 9,999 * | Well opened |
| | 1/24/2002 | 11:00 | NA | 75 | > 9,999 * | " |
| | 1/31/2002 | 13:45 | 33 | 23 | > 9,999 | " |
| | 2/7/2002 | 16:50 | 31 | 26 | > 9,999 | " |
| | 2/15/2002 | 17:51 | NA | NA | > 9,999 * | " |
| | 2/21/2002 | 17:44 | 46.5 | 30 | > 9,999 | " |
| | 2/27/2002 | 14:17 | 32 | 30 | > 9,999 | " |
| | 3/6/2002 | 13:40 | 94 | 64 | > 9,999 | " |
| | 3/13/2002 | 16:20 | 45 | 30 | > 9,999 | " |
| | 3/20/2002 | 8:30 | 42 | 32 | > 9,999 | " |
| | 3/29/2002 | 8:15 | 9 | 28 | 4,000 | " |
| | 5/16/2002 | NA | 8.85 | 24 | 450 | " |
| | 5/16/2002 | NA | 33.7 | 42 | 550 | " |
| | 5/16/2002 | NA | 77.5 | 90 | 520 | " |
| | 6/3/2002 | 10:00 | 43 | 56 | 55 | " |
| | 12/13/2001 | 15:00 | 10 | 54 | > 9,999 * | Well opened |
| | 12/20/2001 | 14:15 | 5 | 47 | > 800 * | " |
| **1-VEW-24B** | 1/3/2002 | 13:15 | 32 | 48 | > 320 * | " |
| | 1/10/2002 | 14:00 | 30 | 48 | > 700 * | " |
| | 1/18/2002 | 8:25 | 25 | 90 | > 760 * | " |
| | 1/18/2002 | 10:40 | NA | 90 | > 2,500 * | " |
| | 1/24/2002 | 11:00 | 93 | 90 | > 9,999 * | " |
| | 1/31/2002 | 13:45 | 9 | 23 | > 9,999 | " |
| | 2/7/2002 | 16:50 | 9 | 26 | > 9,999 | " |
| | 2/15/2002 | 17:51 | NA | NA | > 9,999 * | " |
| | 2/21/2002 | 17:44 | 11 | 30 | > 9,999 | " |
| | 2/27/2002 | 14:17 | 8 | 31 | > 9,999 | " |
| | 3/6/2002 | 13:40 | 13 | 64 | > 9,999 | " |
| | 3/13/2002 | 16:20 | 10.5 | 30 | > 9,999 | " |
| | 3/20/2002 | 8:30 | 5.8 | 32 | > 9,999 | " |
| | 3/29/2002 | 8:15 | 38 | 28 | > 9,999 | " |
| | 5/20/2002 | 13:43 | 1.08 | 15 | 42 | " |
| | 5/20/2002 | 15:10 | 4.4 | 41 | 490 | " |
| | 5/20/2002 | 17:45 | 28.4 | 77 | 1010 | " |
| | 5/21/2002 | 10:16 | 41.4 | 91 | 635 | " |
| | 6/3/2002 | 10:00 | 30 | 70 | 100 | " |
| **1-VEW-25A** | 3/6/2002 | 13:40 | NA | 5.5 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 3.7 | NA | " |
| | 5/16/2002 | NA | 2.68 | 23 | 125 | Well Opened |
| | 5/16/2002 | NA | 13.5 | 44 | 135 | " |
| | 5/16/2002 | NA | 28 | 90 | 120 | " |
| | 6/3/2002 | 10:00 | 25 | 46 | 45 | " |
| **1-VEW-25B** | 3/6/2002 | 13:40 | NA | 5.9 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 3.5 | NA | " |
| | 5/18/2002 | 10:17 | 1.36 | 23 | 280 | Well Opened |
| | 5/18/2002 | 12:30 | 3.75 | 35.5 | 370 | " |
| | 5/18/2002 | 14:23 | 7.65 | 61 | 310 | " |
| | 6/3/2002 | 10:00 | 19 | 45 | 185 | " |

# TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

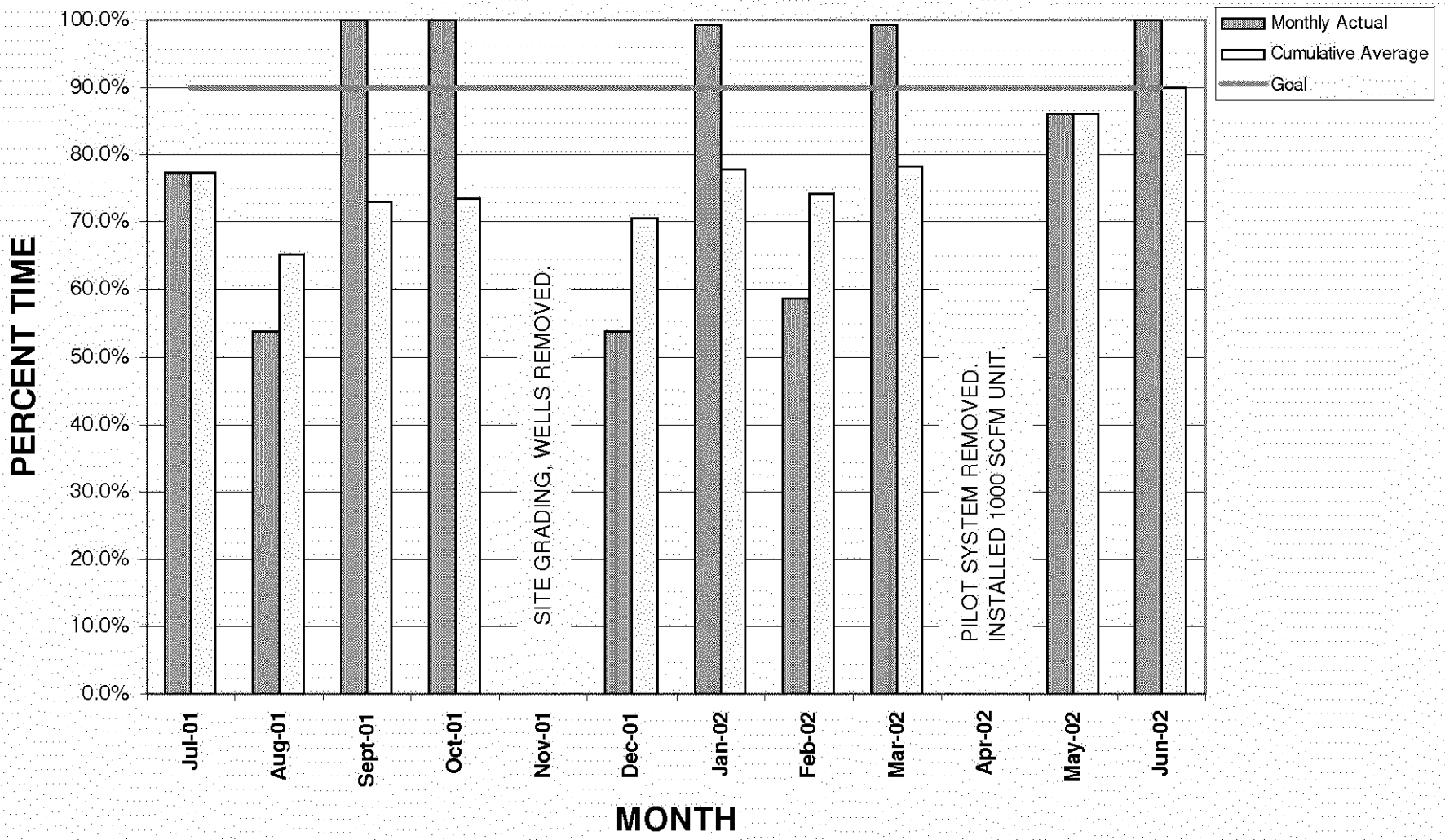
**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 1/36 SVE system

| WELL ID | DATE | TIME | FLOW RATE (scfm) | VACUUM (inches H2O) | WELLHEAD PID (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|
| **1-VEW-26A** | 3/6/2002 | 13:40 | NA | 3.7 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 2.7 | NA | " |
| | 5/16/2002 | 10:50 | 5.45 | 37 | 95 | Well Opened |
| | 5/16/2002 | NA | 24.5 | 90 | 190 | " |
| | 5/16/2002 | NA | 33.5 | >100 | 95 | " |
| | 6/3/2002 | 10:00 | 55 | 85 | 105 | " |
| **1-VEW-26B** | 3/6/2002 | 13:40 | NA | 3.8 | NA | Well Closed |
| | 3/29/2002 | 8:15 | NA | 2.8 | NA | " |
| | 5/18/2002 | NA | 5.15 | 19.5 | 260 | Well Opened |
| | 5/18/2002 | NA | 23 | 35 | 280 | " |
| | 5/18/2002 | NA | 43.6 | 61 | 240 | " |
| | 6/3/2002 | 10:00 | 24 | 36 | 60 | " |

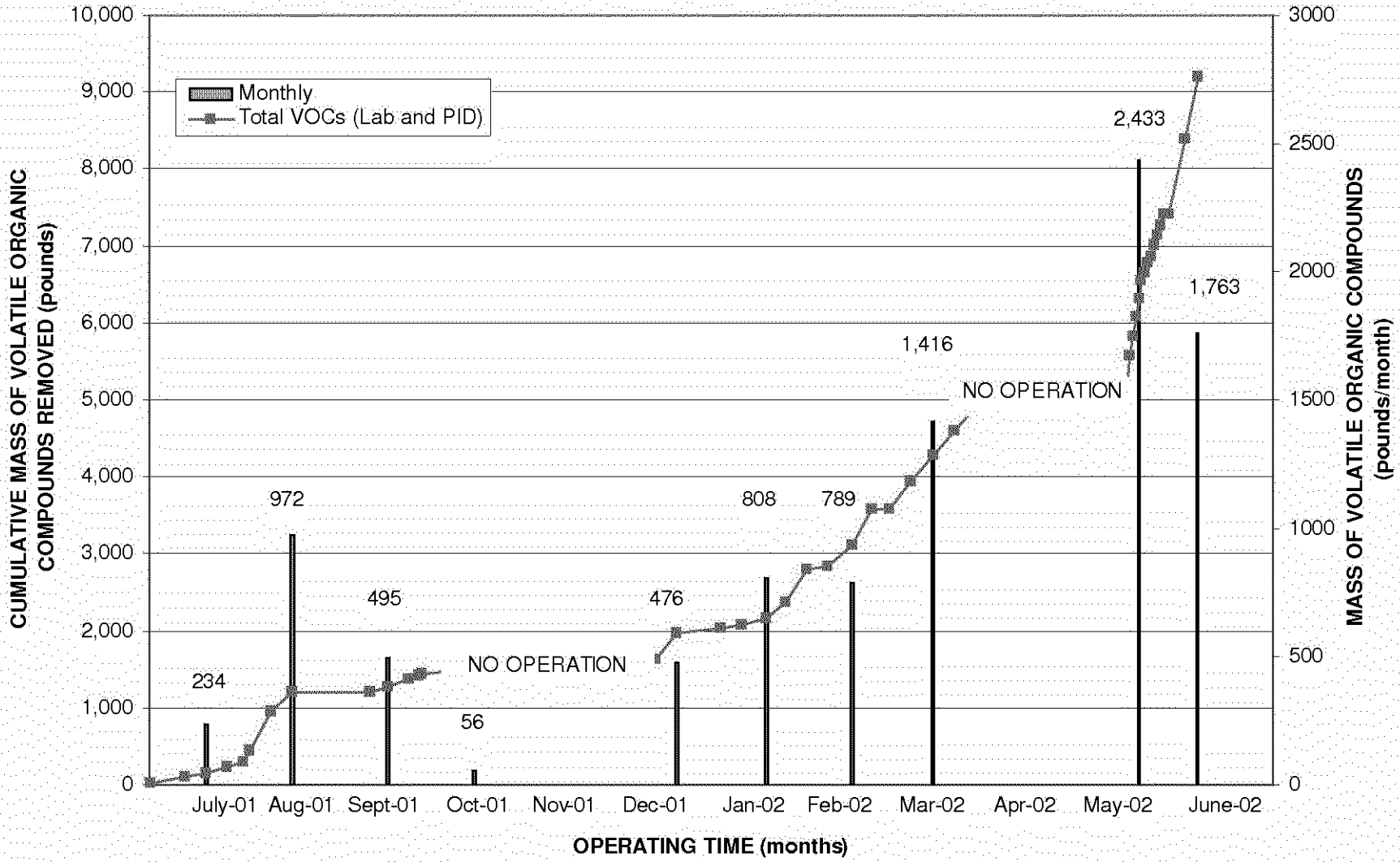
**Notes:**

ppmv: parts per million by volume
scfm: standard cubic foot per minute (acfm corrected for vacuum and temperature)
NA: data was not recorded or available
* Well head readings not taken. Estimates based on diluted inlet concentrations
(1) Direct flow readings taken by hand-held TSI Veloci-calc Plus
(2) Measurements taken with a Foxboro OVA FID calibrated to 100 ppmv Hexane, results as Hexane

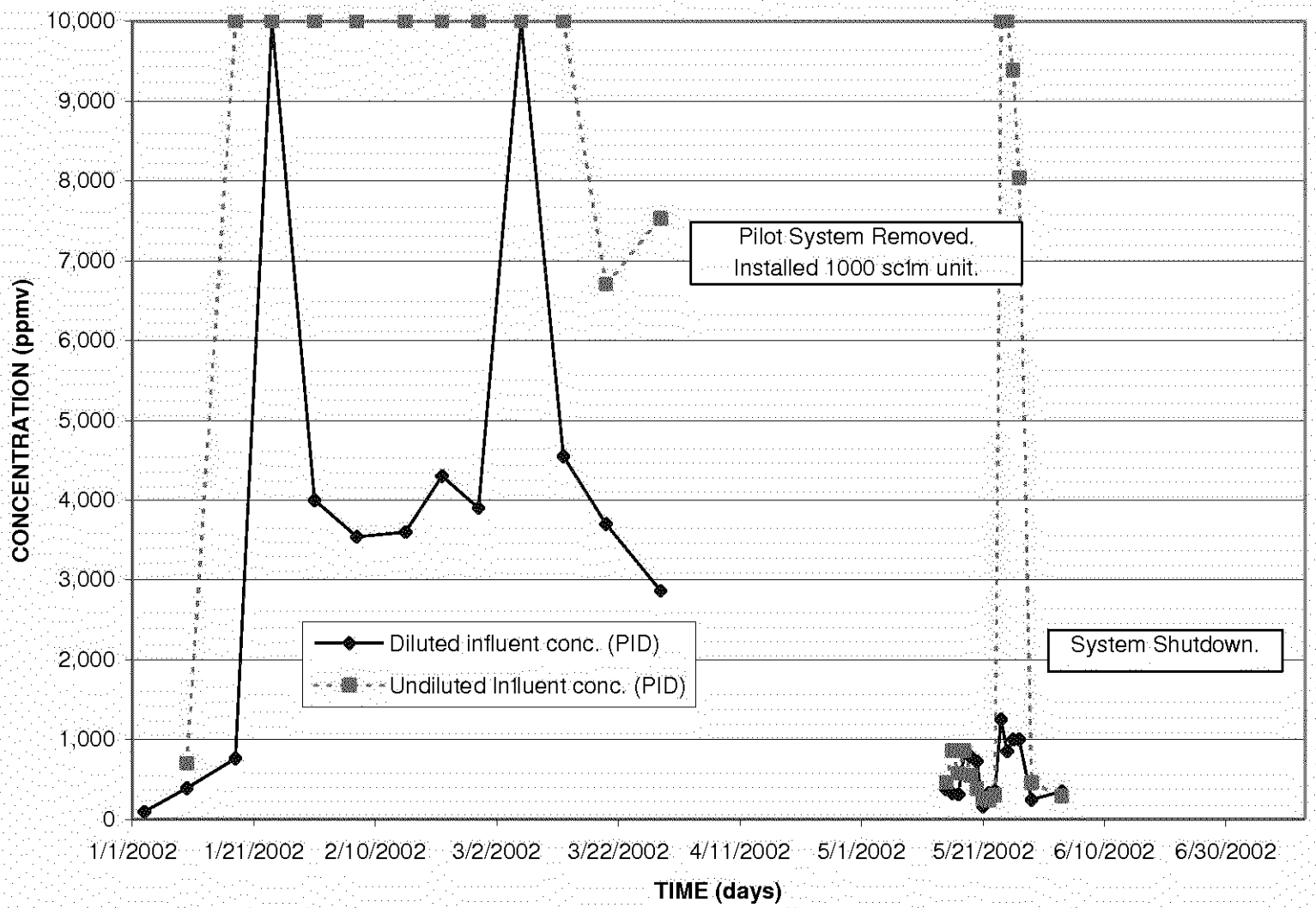
## GRAPH 1
## BUILDING 1/36 MONTHLY PERCENT OPERATION



## GRAPH 2
## BUILDING 1/36 CUMULATIVE VOLATILE ORGANIC COMPOUND MASS REMOVED



## GRAPH 3
## BUILDING 1/36 SVE SYSTEM TOTAL VOC INFLUENT CONCENTRATIONS



# ATTACHMENT 2

# BUILDING 2
# SVE OPERATIONAL DATA

# TABLE 4 - BUILDING 2 SVE SYSTEM INFLUENT LABORATORY DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

| COMPOUND | SAMPLE DATE | 1/3/2002 | 2/6/2002 | 3/6/2002 | 4/4/2002 | 5/3/2002 | 6/4/2002 | 7/3/2002 |
|---|---|---|---|---|---|---|---|---|
| | SAMPLE TYPE | Diluted Inlet | Diluted Inlet | Diluted Inlet | Inlet | Inlet | Inlet | Inlet |
| | LAB ID | DILUTED_INLET_BLDG_2_01/03/02 | DILUTED_INLET_BLDG_2_02/06/02 | DILUTED_INLET_BLDG_2_03/06/02 | GAC0002D_AV040402_001 | GAC0002D_AV050302_002 | GAC0002D_AV060402_003 | GAC0002D_AV070302_004 |
| 1,1 Dichloroethene (ppbv) | | 660 | 2,800 | 1,500 | 1,700 | 1,600 | 1,300 | 1,100 |
| cis-1,2-Dichloroethene (ppbv) | | ND | 210 | 120 | 120 | 63 | 38 | 29 |
| 1,1-Dichlrorethane (ppbv) | | ND | 220 | 86 | 96 | 57 | 38 | 28 |
| 1,1,1 Trichloroethane (ppbv) | | 280 | 800 | 370 | 310 | 150 | 560 | 82 |
| Trichloroethene (ppbv) | | 7,500 | 31,000 | 26,000 | 19,000 | 13,000 | 6,100 | 3,800 |
| Tetrachloroethene (ppbv) | | 84 | 210 | 100 | 180 | 190 | 110 | 80 |
| Trichlorofluoromethane (ppbv) | | 19 | ND | ND | 45 | 44 | 23 | 30 |
| Chloroform (ppbv) | | ND | 130 | ND | 260 | 360 | 540 | 640 |
| Methylene Chloride (ppbv) | | ND | ND | 110 | 49 | ND | 18 | 12 |
| Toluene (ppbv) | | ND | ND | ND | ND | ND | 520 | 11 |
| Xylene (ppbv) | | ND | ND | ND | ND | ND | 18 | ND |

Notes:
ppbv = parts per billion by volume
ND = Below method detction limits

# TABLE 5 - BUILDING 2 SVE SYSTEM FIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

| DATE | HOUR METER | TIME | UNDILUTED FLOW RATE (1) (scfm) | DILUTED INLET FLOW RATE (1) (scfm) | VACUUM (inches of H2O) | DILUTED INFLUENT PID (2) (ppmv) | MID POINT CARBON PID (2) (ppmv) | EFFLUENT CARBON PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| 1/3/2002 | 785 | 15:00 | 575 | 795 | 29 | 32 | 0.0 | 0.0 | |
| 01/10/02 | 953 | 15:00 | # 150 | 765 | 25 | 195 | 51.0 | 0.0 | GAC Changeout |
| 01/18/02 | 983 | 18:00 | 350 | 720 | 53 | 342 | 0.3 | 0.1 | |
| 01/24/02 | 1124 | 15:10 | 360 | 735 | 52 | 380 | 40.2 | 0.0 | |
| 01/31/02 | 1220 | 15:48 | 400 | 765 | 38 | 960 | NR | 0.0 | Data after GAC Changeout |
| 02/01/02 | 1238 | 10:00 | 400 | 760 | 27 | 450 | 0.0 | 0.0 | |
| 02/06/02 | 1360 | 13:00 | 390 | 760 | 20 | 365 | 87.0 | 0.2 | GAC Changeout |
| 02/08/02 | 1385 | 9:20 | # 190 | 740 | 45 | 105 | 43.0 | 0.0 | |
| 02/15/02 | 1553 | 11:00 | 400 | 730 | 27 | 270 | 10.7 | 0.0 | |
| 02/21/02 | 1693 | 8:07 | 400 | 705 | 41 | 437 | 71.0 | 0.0 | GAC Changeout |
| 02/27/02 | 1838 | 10:30 | 380 | 590 | 68 | 465 | 37.0 | 0.0 | |
| 03/06/02 | 2004 | 9:00 | 378 | 600 | 68 | 310 | 53.2 | 0.2 | GAC Changeout |
| 03/13/02 | 2173 | 14:35 | 375 | 590 | 67 | 259 | 28.0 | 0.0 | |
| 03/20/02 | 2334 | 10:45 | 400 | 655 | 67 | 220 | 10.3 | 0.2 | GAC Changeout |
| 03/29/02 | 2549 | 10:00 | 385 | 605 | 61 | 168 | 16.0 | 0.1 | |
| 04/01/02 | 2627 | 16:50 | 640 | 630 | 59 | 261 | 47.4 | 7.5 | |
| 04/02/02 | 2646 | 11:40 | 660 | 680 | 61 | 256 | 59.0 | 12.7 | GAC Changeout |
| 04/04/02 | 2650 | 17:00 | 675 | 710 | 54 | 264 | 0.0 | 0.3 | |
| 04/05/02 | 2668 | 11:25 | 670 | 685 | 61 | 256 | 0.8 | 0.0 | |
| 04/06/02 | 2692 | 11:57 | 630 | 625 | 57 | 233 | 0.2 | 0.1 | |
| 04/07/02 | 2714 | 10:56 | 685 | 670 | 61 | 212 | 0.3 | 0.1 | |
| 04/08/02 | 2740 | 12:47 | 660 | 660 | 61 | 232 | 0.6 | 0.0 | |
| 04/09/02 | 2759 | 8:45 | 650 | 635 | 65 | 252 | 0.3 | 0.1 | |
| 04/10/02 | 2789 | 14:30 | 650 | 645 | 57 | 224 | 3.9 | 0.2 | |
| 04/11/02 | 2817 | 19:35 | 715 | 740 | 41 | 129 | 39.0 | 0.2 | |
| 04/12/02 | 2839 | 18:37 | 710 | 710 | 57 | 337 | 6.1 | 0.4 | |
| 04/17/02 | 2904 | 15:20 | 695 | 690 | 57 | 153 | * 4.8 | * 3.8 | |
| 04/23/02 | 3049 | 15:51 | 665 | 665 | 61 | 184 | * 9.4 | * 2.8 | |
| 05/03/02 | 3240 | 12:48 | 630 | 665 | 54 | 164 | * 2.6 | * 1.3 | GAC Changeout |
| 05/09/02 | 3391 | 19:10 | 645 | 640 | 54 | 158 | #* 23.0 | * 0.8 | |
| 05/16/02 | 3549 | 8:43 | 675 | 660 | 61 | 145 | * 20.0 | * 2.8 | GAC Changeout |
| 05/23/02 | 3722 | 16:20 | 650 | 620 | 57 | 15.4 | * 14.0 | * 9.9 | |
| 05/30/02 | 3887 | 14:00 | 645 | 610 | 57 | 19.1 | * 14.0 | * 13.0 | |
| 06/04/02 | 4005 | 12:00 | 630 | 620 | 57 | * 14.0 | * 19.0 | * 7.0 | |
| 06/13/02 | 4215 | 8:35 | 655 | 645 | 58 | * 18.2 | * 8.4 | * 2.0 | GAC Changeout |
| 06/20/02 | 4384 | 10:17 | 650 | 640 | 57 | * 10.0 | * 7.0 | * 1.0 | |
| 06/27/02 | 4554 | 12:34 | 635 | 625 | 57 | * 12.8 | * 9.2 | * 6.5 | |

**Notes:**

(1) Direct flow readings taken by hand-held TSI Veloci-calc Plus

(2) Measurements taken with a MiniRae 2000 PID calibrated to 100 ppmv Hexane, results as Hexane unless otherwise noted

\# Readings reading not considered representative of actual concentrations due to mositure or vacuum interference

* Measurements taken with Foxboro OVA-128 calibrated to Hexane. Results as Hexane.

# TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

| WELL ID | DATE | TIME | FLOW RATE (1) (scfm) | VACUUM (inches of H2O) | FID (ppmv) | WELLHEAD PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|
| 2-VEW-1A | 11/27/2001 | 13:00 | 39 | 20 | | 1,200 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | NA | 22 | | 140 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 1.3 | | NA | " |
| | 1/18/2002 | 18:00 | 39 | 48 | | 340 | " |
| | 1/24/2002 | 15:10 | | 1.7 | | NA | " |
| | 1/31/2002 | 15:48 | 30 | 31 | | 200 | " |
| | 2/1/2002 | 10:00 | 22 | 23 | | 96 | " |
| | 2/6/2002 | 13:00 | 16 | 16 | | 180 | " |
| | 2/15/2002 | 11:00 | 20 | 19 | | 98 | Well Closed |
| | 3/20/2002 | 14:00 | NA | 45 | | 12 | " |
| | 3/29/2002 | 14:20 | 3.2 | 9.5 | | NA | " |
| | 3/30/2002 | 10:58 | 1 | 11 | | NA | " |
| | 3/31/2002 | 10:31 | 0.5 | 11 | | NA | " |
| | 4/1/2002 | 16:50 | NA | 11 | | NA | " |
| | 4/2/2002 | 11:40 | NA | 11 | | NA | " |
| | 4/4/2002 | 17:00 | NA | 8.4 | | NA | " |
| | 4/5/2002 | 11:30 | NA | 10.5 | | NA | " |
| | 4/6/2002 | 12:00 | NA | 10 | | NA | " |
| | 4/7/2002 | 11:00 | NA | 11 | | NA | " |
| | 4/8/2002 | 12:45 | NA | 10 | | NA | " |
| | 4/9/2002 | 8:45 | NA | 13 | | NA | " |
| | 4/10/2002 | 14:30 | NA | 12 | | NA | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | NA | 8 | | NA | " |
| | 4/17/2002 | 15:20 | NA | 4.5 | | NA | " |
| | 4/23/2002 | 15:51 | NA | 10 | | NA | " |
| | 5/3/2002 | 12:48 | NA | 5 | | NA | " |
| | 5/9/2002 | 19:10 | NA | 11 | | NA | " |
| | 5/23/2002 | 16:20 | NA | 10.5 | | NA | " |
| | 6/13/2002 | 8:35 | NA | 11 | | NA | " |
| | 6/20/2002 | 10:17 | NA | 11 | | NA | " |
| | 6/27/2002 | 12:34 | NA | 10 | | NA | " |
| | 7/3/2002 | 11:00 | NA | 10 | | NA | " |
| 2-VEW-1B | 11/27/2001 | 13:00 | 11 | 17 | | 9,999 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | NA | 29 | | 2,800 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 1.6 | | NA | " |
| | 1/18/2002 | 18:00 | NA | 2.9 | | NA | Well Closed |
| | 1/24/2002 | 15:10 | 17 | 48 | | 9,999 | " |
| | 1/31/2002 | 15:48 | 8 | 31 | | 9,999 | " |
| | 2/1/2002 | 10:00 | 10 | 23 | | 6,500 | " |
| | 2/6/2002 | 13:00 | 5.3 | 16 | | 6,800 | " |
| | 2/15/2002 | 11:00 | 5.5 | 19 | | 3,980 | " |
| | 2/27/2002 | 10:30 | 14.2 | 52 | | 4,230 | " |
| | 3/6/2002 | 9:00 | 8.5 | 48 | | 2,790 | " |
| | 3/13/2002 | 14:35 | 9 | 50 | | 4,240 | " |
| | 3/20/2002 | 10:45 | 12 | 50 | | 1,300 | " |
| | 3/29/2002 | 10:00 | 10.1 | 54 | | 1,800 | Well Opened |
| | 3/29/2002 | 14:20 | 18.1 | 46 | | 1,350 | " |
| | 3/30/2002 | 10:58 | 9 | 48 | | 1,478 | " |
| | 3/31/2002 | 10:31 | 8.4 | 48 | | 1,744 | " |
| | 4/1/2002 | 16:50 | 7.4 | 49 | | 1,475 | " |
| | 4/2/2002 | 11:40 | 6.8 | 51 | | 1,535 | " |
| | 4/4/2002 | 17:00 | 6.8 | 47 | | 1,565 | " |
| | 4/5/2002 | 11:30 | 9.4 | 49 | | 1,720 | " |
| | 4/6/2002 | 12:00 | 10.8 | 49 | | 1,429 | " |
| | 4/7/2002 | 11:00 | 17 | 50 | | 1,474 | " |
| | 4/8/2002 | 12:45 | 9.2 | 50 | | 1,434 | " |
| | 4/9/2002 | 8:45 | 6.5 | 51 | | 1,684 | " |
| | 4/10/2002 | 14:30 | 6.2 | 49 | | 1,635 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 9.4 | 49 | | NA | " |
| | 4/17/2002 | 15:20 | 9 | 43 | | 1,439 | " |
| | 4/23/2002 | 15:51 | 9.15 | 50 | | NA | " |
| | 5/3/2002 | 12:48 | 11 | 41.5 | | 642 | " |
| | 5/9/2002 | 19:10 | 8 | 43 | | 795 | " |
| | 5/23/2002 | 16:20 | 17.1 | 48.5 | | * 25 | " |
| | 6/13/2002 | 8:35 | 9.6 | 48 | | * 48 | " |
| | 6/20/2002 | 10:17 | 48 | 7.8 | | * 50 | " |
| | 6/27/2002 | 12:34 | 9.2 | 48 | | * 49 | " |
| | 7/3/2002 | 11:00 | 7 | 47 | | 489 | " |

# TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

| WELL ID | DATE | TIME | FLOW RATE (1) (scfm) | VACUUM (inches of H2O) | FID (ppmv) | WELLHEAD PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|
| 2-VEW-2 | 11/27/2001 | 13:00 | 60 | 25 | | 1,300 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 70 | 20 | | 740 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 1.5 | | NA | Well Closed |
| | 1/18/2002 | 18:00 | NA | 3.2 | | NA | " |
| | 1/24/2002 | 15:10 | NA | 2 | | NA | " |
| | 1/31/2002 | 15:48 | 60 | 31 | | 9,999 | Well Opened |
| | 2/1/2002 | 10:00 | 29 | 22 | | 335 | " |
| | 2/6/2002 | 13:00 | 18 | 15 | | 260 | " |
| | 2/15/2002 | 11:00 | 23 | 19 | | 94 | Well Closed |
| | 3/20/2002 | 14:00 | NA | 47 | | 18 | " |
| | 3/29/2002 | 14:20 | 24 | 19 | | 8 | " |
| | 3/30/2002 | 10:58 | 24 | 21 | | 8 | Well Opened |
| | 3/31/2002 | 10:31 | 24 | 20 | | 3 | " |
| | 4/1/2002 | 16:50 | 25 | 21 | | 4 | " |
| | 4/2/2002 | 11:40 | NA | 13 | | NA | Well Closed |
| | 4/4/2002 | 17:00 | NA | 9 | | NA | " |
| | 4/5/2002 | 11:30 | NA | 12.5 | | NA | " |
| | 4/6/2002 | 12:00 | NA | 12 | | NA | " |
| | 4/7/2002 | 11:00 | NA | 13 | | NA | " |
| | 4/8/2002 | 12:45 | NA | 12 | | NA | " |
| | 4/9/2002 | 8:45 | NA | 14 | | NA | " |
| | 4/10/2002 | 14:30 | NA | 12 | | NA | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | NA | 8.5 | | NA | " |
| | 4/17/2002 | 15:20 | NA | 4 | | NA | " |
| | 4/23/2002 | 15:51 | NA | 11 | | NA | " |
| | 5/3/2002 | 12:48 | NA | 6 | | NA | " |
| | 5/9/2002 | 19:10 | NA | 11 | | NA | " |
| | 5/23/2002 | 16:20 | NA | 11 | | NA | " |
| | 6/13/2002 | 8:35 | NA | 12 | | NA | " |
| | 6/20/2002 | 10:17 | NA | 12 | | NA | " |
| | 6/27/2002 | 12:34 | NA | 11 | | NA | " |
| | 7/3/2002 | 11:00 | NA | 12 | | NA | " |
| 2-VEW-3A | 11/27/2001 | 13:00 | 20 | 20 | | 710 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 12 | 22 | | 160 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 1.3 | | NA | " |
| | 1/18/2002 | 18:00 | 23 | 50 | | 560 | " |
| | 1/24/2002 | 15:10 | 11 | 49 | | 470 | " |
| | 1/31/2002 | 15:48 | 17 | 32 | | 360 | " |
| | 2/1/2002 | 10:00 | 7 | 23 | | 250 | " |
| | 2/6/2002 | 13:00 | 7 | 17 | | 210 | " |
| | 2/15/2002 | 11:00 | 6.5 | 19 | | 85 | Well Closed |
| | 3/20/2002 | 14:00 | NA | 50 | | NA | " |
| | 3/29/2002 | 10:00 | 94 | 54 | | 31 | Well Opened |
| | 3/29/2002 | 14:20 | 1 | 9 | | NA | Well Closed |
| | 3/30/2002 | 10:58 | 0.6 | 11 | | NA | " |
| | 3/31/2002 | 10:31 | 0.5 | 10 | | NA | " |
| | 4/1/2002 | 16:50 | NA | 10 | | NA | " |
| | 4/2/2002 | 11:40 | NA | 12 | | NA | " |
| | 4/4/2002 | 17:00 | NA | 8 | | NA | " |
| | 4/5/2002 | 11:30 | NA | 11.5 | | NA | " |
| | 4/6/2002 | 12:00 | NA | 10.5 | | NA | " |
| | 4/7/2002 | 11:00 | NA | 11 | | NA | " |
| | 4/8/2002 | 12:45 | NA | 12 | | NA | " |
| | 4/9/2002 | 8:45 | NA | 13 | | NA | " |
| | 4/10/2002 | 14:30 | NA | 10 | | NA | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | NA | 8 | | NA | " |
| | 4/17/2002 | 15:20 | NA | 4 | | NA | " |
| | 4/23/2002 | 15:51 | NA | 10 | | NA | " |
| | 5/3/2002 | 12:48 | NA | 5.5 | | NA | " |
| | 5/9/2002 | 19:10 | NA | 10 | | NA | " |
| | 5/23/2002 | 16:20 | NA | 10 | | NA | " |
| | 6/13/2002 | 8:35 | NA | 12 | | NA | " |
| | 6/20/2002 | 10:17 | NA | 12 | | NA | " |
| | 6/27/2002 | 12:34 | NA | 11 | | NA | " |
| | 7/3/2002 | 11:00 | NA | 10 | | NA | " |

# TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

| WELL ID | DATE | TIME | FLOW RATE (1) (scfm) | VACUUM (inches of H2O) | FID (ppmv) | WELLHEAD PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|
| 2-VEW-3B | 11/27/2001 | 13:00 | 11 | 25.0 | | 2,250 | Initial Startup |
| | 11/28/2001 | 13:15 | NA | 0.1 | | NA | Well Closed |
| | 11/30/2001 | 14:20 | NA | 0.7 | | NA | " |
| | 12/3/2001 | 17:10 | NA | 0.2 | | NA | " |
| | 12/4/2001 | 10:15 | NA | 0.9 | | NA | " |
| | 12/5/2001 | 16:30 | NA | 0.6 | | NA | " |
| | 12/6/2001 | 8:30 | NA | 0.8 | | NA | " |
| | 12/7/2001 | 7:30 | NA | 1.2 | | NA | " |
| | 12/8/2001 | 16:00 | NA | 0.1 | | NA | " |
| | 12/9/2001 | 13:00 | NA | 0.0 | | NA | " |
| | 12/10/2001 | 16:00 | NA | 0.4 | | NA | " |
| | 12/11/2001 | 11:00 | NA | 1.4 | | NA | " |
| | 12/12/2001 | 19:15 | 8 | 29.5 | | 1,900 | Well Opened |
| | 12/13/2001 | 11:15 | 8 | 29.0 | | 1,675 | " |
| | 12/20/2001 | 15:10 | 17 | 39.0 | | 1,345 | " |
| | 12/28/2001 | 11:00 | 15 | 23.0 | | 220 | " |
| | 1/10/2002 | 15:00 | NA | 1.5 | | NA | Well Closed |
| | 1/18/2002 | 18:00 | NA | 3.3 | | NA | " |
| | 1/24/2002 | 15:10 | NA | 3.0 | | NA | " |
| | 1/31/2002 | 15:48 | 7 | 32.0 | | 390 | Well Opened |
| | 2/1/2002 | 10:00 | 10 | 23.0 | | 220 | " |
| | 2/6/2002 | 13:00 | 7 | 17.0 | | 230 | " |
| | 2/15/2002 | 11:00 | 5.7 | 19 | | 320 | " |
| | 3/20/2002 | 14:00 | NA | 47 | | 203 | " |
| | 3/29/2002 | 14:20 | 18 | 46 | | 296 | " |
| | 3/30/2002 | 10:58 | 8.4 | 48 | | 226 | " |
| | 3/31/2002 | 10:31 | 9 | 48 | | 231 | " |
| | 4/1/2002 | 16:50 | 9.3 | 48 | | 197 | " |
| | 4/2/2002 | 11:40 | 11.3 | 52 | | 172 | " |
| | 4/4/2002 | 17:00 | 10.1 | 47 | | 262 | " |
| | 4/5/2002 | 11:30 | 13.8 | 50 | | 142 | " |
| | 4/6/2002 | 12:00 | 49 | 14.1 | | 116 | " |
| | 4/7/2002 | 11:00 | 15.1 | 56 | | 105 | " |
| | 4/8/2002 | 12:45 | 17.1 | 51 | | 87 | " |
| | 4/9/2002 | 8:45 | 16.9 | 52 | | 106 | " |
| | 4/10/2002 | 14:30 | 19.2 | 49 | | 88 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 19 | 49 | | NA | " |
| | 4/17/2002 | 15:20 | 23 | 43 | | 156 | " |
| | 4/23/2002 | 15:51 | 26.3 | 50 | | NA | " |
| | 5/3/2002 | 12:48 | 28 | 42 | | 51 | " |
| | 5/9/2002 | 19:10 | 24 | 42 | | 42 | " |
| | 5/23/2002 | 16:20 | 48 | 28.6 | | * 4.8 | " |
| | 6/13/2002 | 8:35 | 31.5 | 48 | | * 7.0 | " |
| | 6/20/2002 | 10:17 | 28.4 | 48 | | * 7.0 | " |
| | 6/27/2002 | 12:34 | 31.3 | 48 | | * 5.2 | " |
| | 7/3/2002 | 11:00 | 28 | 47 | | 67 | " |
| 2-VEW-4 | 11/27/2001 | 13:00 | 30 | 25 | | 1,250 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 20 | 15 | | 450 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 1.8 | | NA | " |
| | 1/18/2002 | 18:00 | NA | 3.8 | | NA | " |
| | 1/24/2002 | 15:10 | NA | 2.3 | | NA | " |
| | 1/31/2002 | 15:48 | 33 | 31 | | 940 | " |
| | 2/1/2002 | 10:00 | 23 | 23.5 | | 565 | " |
| | 2/6/2002 | 13:00 | 21 | 17 | | 680 | " |
| | 2/15/2002 | 11:00 | 20.5 | 19 | | 400 | Well Closed |
| | 3/20/2002 | 14:00 | NA | 41 | | 17 | " |
| | 3/29/2002 | 14:20 | 59 | 45 | | 60 | Well Opened |
| | 3/30/2002 | 10:58 | 51.5 | 48 | | 167 | " |
| | 3/31/2002 | 10:31 | 55.5 | 47 | | 235 | " |
| | 4/1/2002 | 16:50 | 51.5 | 48 | | 270 | " |
| | 4/2/2002 | 11:40 | 56 | 50 | | 257 | " |
| | 4/4/2002 | 17:00 | 55 | 46 | | 276 | " |
| | 4/5/2002 | 11:30 | 58 | 48.5 | | 264 | " |
| | 4/6/2002 | 12:00 | 56 | 48 | | 232 | " |
| | 4/7/2002 | 11:00 | 54.5 | 49.5 | | 223 | " |
| | 4/8/2002 | 12:45 | 59.5 | 47 | | 232 | " |
| | 4/9/2002 | 8:45 | 58 | 50 | | 272 | " |
| | 4/10/2002 | 14:30 | 55.5 | 47 | | 234 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 48 | 61 | | NA | " |
| | 4/17/2002 | 15:20 | 58.5 | 41 | | 252 | " |
| | 4/23/2002 | 15:51 | 61.5 | 49 | | NA | " |
| | 5/3/2002 | 12:48 | 57 | 41 | | 209 | " |
| | 5/9/2002 | 19:10 | 48 | 43 | | 179 | " |
| | 5/23/2002 | 16:20 | 56 | 47 | | * 17.2 | " |
| | 6/13/2002 | 8:35 | 58 | 46 | | * 13.8 | " |
| | 6/20/2002 | 10:17 | 54.5 | 48 | | * 15.0 | " |
| | 6/27/2002 | 12:34 | 61.5 | 47 | | * 12.2 | " |
| | 7/3/2002 | 11:00 | 54 | 46 | | 79 | " |

# TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

| WELL ID | DATE | TIME | FLOW RATE (1) (scfm) | VACUUM (inches of H2O) | FID (ppmv) | WELLHEAD PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|
| 2-VEW-5 | 11/27/2001 | 13:00 | 90 | 25 | | 1,075 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 75 | 17 | | 800 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 2.8 | | NA | " |
| | 1/18/2002 | 18:00 | NA | 3.4 | | NA | " |
| | 1/24/2002 | 15:10 | NA | 2.5 | | NA | " |
| | 1/31/2002 | 15:48 | 65 | 30 | | 1,150 | " |
| | 2/1/2002 | 10:00 | 47 | 20 | | 700 | " |
| | 2/6/2002 | 13:00 | 32 | 16 | | 910 | " |
| | 2/15/2002 | 11:00 | 36 | 19 | | 570 | Well Closed |
| | 3/20/2002 | 14:00 | NA | 43 | | 75 | " |
| | 3/29/2002 | 14:20 | 81 | 39 | | 76 | " |
| | 3/30/2002 | 10:58 | 80.5 | 41 | | 99 | Well Opened |
| | 3/31/2002 | 10:31 | 80.5 | 41 | | 102 | " |
| | 4/1/2002 | 16:50 | 80 | 41 | | 107 | " |
| | 4/2/2002 | 11:40 | 86 | 43 | | 91 | " |
| | 4/4/2002 | 17:00 | 83.5 | 38 | | 104 | " |
| | 4/5/2002 | 11:30 | 86 | 42 | | 80 | " |
| | 4/6/2002 | 12:00 | 85 | 41 | | 69 | " |
| | 4/7/2002 | 11:00 | 94.5 | 41.5 | | 63 | " |
| | 4/8/2002 | 12:45 | 87 | 40 | | 61 | " |
| | 4/9/2002 | 8:45 | 87 | 42 | | 78 | " |
| | 4/10/2002 | 14:30 | 85.5 | 40 | | 69 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | Well Closed |
| | 4/12/2002 | 18:37 | NA | 11 | | NA | " |
| | 4/17/2002 | 15:20 | NA | 6 | | NA | " |
| | 4/23/2002 | 15:51 | NA | 13.5 | | NA | " |
| | 5/3/2002 | 12:48 | NA | 7 | | NA | " |
| | 5/9/2002 | 19:10 | NA | 14 | | NA | " |
| | 5/23/2002 | 16:20 | NA | 15 | | NA | " |
| | 6/13/2002 | 8:35 | NA | 15 | | NA | " |
| | 6/20/2002 | 10:17 | NA | 15.5 | | NA | " |
| | 6/27/2002 | 12:34 | NA | 14.5 | | NA | " |
| | 7/3/2002 | 11:00 | NA | 15 | | NA | " |
| 2-VEW-6 | 11/27/2001 | 13:00 | 52 | 25 | | 9,999 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | NA | 15 | | 625 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 2.3 | | NA | Well Closed |
| | 1/18/2002 | 18:00 | NA | 3.6 | | NA | " |
| | 1/24/2002 | 15:10 | NA | 2.5 | | NA | " |
| | 1/31/2002 | 15:48 | 40 | 30 | | 3,130 | Well Opened |
| | 2/1/2002 | 10:00 | 27 | 20 | | 1,500 | " |
| | 2/6/2002 | 13:00 | 21 | 16 | | 1,530 | " |
| | 2/15/2002 | 11:00 | 25 | 19 | | 945 | Well Closed |
| | 2/27/2002 | 10:30 | 68 | 35 | | 520 | " |
| | 3/6/2002 | 9:00 | 81 | 33 | | 433 | " |
| | 3/13/2002 | 14:35 | 81 | 34 | | 335 | " |
| | 3/20/2002 | 10:45 | 62 | 30 | | 280 | " |
| | 3/29/2002 | 10:00 | 56 | 28 | | 241 | Well Opened |
| | 3/29/2002 | 14:20 | 85 | 46 | | 246 | " |
| | 3/30/2002 | 10:58 | 78.5 | 44 | | 263 | " |
| | 3/31/2002 | 10:31 | 87 | 42 | | 262 | " |
| | 4/1/2002 | 16:50 | 81 | 43 | | 245 | " |
| | 4/2/2002 | 11:40 | 86 | 45 | | 208 | " |
| | 4/4/2002 | 17:00 | 87 | 40 | | 222 | " |
| | 4/5/2002 | 11:30 | 98 | 43 | | 209 | " |
| | 4/6/2002 | 12:00 | 94.5 | 42.5 | | 172 | " |
| | 4/7/2002 | 11:00 | 93.5 | 43.5 | | 168 | " |
| | 4/8/2002 | 12:45 | 96.5 | 43 | | 165 | " |
| | 4/9/2002 | 8:45 | 95.5 | 44 | | 208 | " |
| | 4/10/2002 | 14:30 | 87 | 42 | | 165 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 104 | 44 | | NA | " |
| | 4/17/2002 | 15:20 | 107 | 37 | | 158 | " |
| | 4/23/2002 | 15:51 | 108 | 44 | | NA | " |
| | 5/3/2002 | 12:48 | 98 | 37 | | 110 | " |
| | 5/9/2002 | 19:10 | 83 | 39 | | 105 | " |
| | 5/23/2002 | 16:20 | 88.5 | 44 | | 8 | " |
| | 6/13/2002 | 8:35 | 89 | 45 | | 10 | " |
| | 6/20/2002 | 10:17 | 84.5 | 44 | | 8 | " |
| | 6/27/2002 | 12:34 | 86.5 | 43 | | 7 | " |
| | 7/3/2002 | 11:00 | 81 | 43 | | 40 | " |

# TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

| WELL ID | DATE | TIME | FLOW RATE (1) (scfm) | VACUUM (inches of H2O) | FID (ppmv) | WELLHEAD PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|
| 2-VEW-7A | 11/27/2001 | 13:00 | 13 | 25 | | 360 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 75 | 20 | | 100 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 1.4 | | NA | " |
| | 1/18/2002 | 18:00 | 17 | 50 | | 600 | " |
| | 1/24/2002 | 15:10 | 15 | 48 | | 940 | " |
| | 1/31/2002 | 15:48 | 8 | 30 | | 1,100 | " |
| | 2/1/2002 | 10:00 | 6 | 21 | | 730 | " |
| | 2/6/2002 | 13:00 | 16 | 4.5 | | 775 | " |
| | 2/15/2002 | 11:00 | 6 | 18 | | 333 | Well Closed |
| | 3/20/2002 | 14:00 | NA | 53 | | 17 | " |
| | 3/29/2002 | 14:20 | 11.6 | 41 | | 25 | Well Opened |
| | 3/30/2002 | 10:58 | 12 | 44 | | 39 | " |
| | 3/31/2002 | 10:31 | 13.6 | 43.5 | | 54 | " |
| | 4/1/2002 | 16:50 | 14.1 | 43 | | 73 | " |
| | 4/2/2002 | 11:40 | 13 | 46 | | 73 | " |
| | 4/4/2002 | 17:00 | 11.8 | 41.5 | | 81 | " |
| | 4/5/2002 | 11:30 | 15.4 | 45 | | 59 | " |
| | 4/6/2002 | 12:00 | 14.4 | 44 | | 51 | " |
| | 4/7/2002 | 11:00 | 14.4 | 45 | | 51 | " |
| | 4/8/2002 | 12:45 | 14.4 | 45 | | 47 | " |
| | 4/9/2002 | 8:45 | 13.7 | 45 | | 55 | " |
| | 4/10/2002 | 14:30 | 13.3 | 44 | | 53 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | Well Closed |
| | 4/12/2002 | 18:37 | 104 | 9 | | NA | " |
| | 4/17/2002 | 15:20 | 107 | 5 | | NA | " |
| | 4/23/2002 | 15:51 | 108 | 12 | | NA | " |
| | 5/3/2002 | 12:48 | 98 | 6 | | NA | " |
| | 5/9/2002 | 19:10 | 83 | 11 | | NA | " |
| | 5/23/2002 | 16:20 | NA | 12 | | NA | " |
| | 6/13/2002 | 8:35 | NA | 13 | | NA | " |
| | 6/20/2002 | 10:17 | NA | 12 | | NA | " |
| | 6/27/2002 | 12:34 | NA | 12 | | NA | " |
| | 7/3/2002 | 11:00 | NA | 12 | | NA | " |
| 2-VEW-7B | 11/27/2001 | 13:00 | 60 | 25.0 | | 600 | Initial Startup |
| | 11/28/2001 | 13:15 | NA | 0.3 | | NA | Well Closed |
| | 11/30/2001 | 14:20 | NA | 0.9 | | NA | " |
| | 12/3/2001 | 17:10 | NA | 0.2 | | NA | " |
| | 12/4/2001 | 10:15 | NA | 1.2 | | NA | " |
| | 12/5/2001 | 16:30 | NA | 0.8 | | NA | " |
| | 12/6/2001 | 8:30 | NA | 1.0 | | NA | " |
| | 12/7/2001 | 7:30 | NA | 1.4 | | NA | " |
| | 12/8/2001 | 16:00 | NA | 0.1 | | NA | " |
| | 12/9/2001 | 13:00 | NA | 0.0 | | NA | " |
| | 12/10/2001 | 16:00 | NA | 0.5 | | NA | " |
| | 12/11/2001 | 11:00 | NA | 1.6 | | NA | " |
| | 12/12/2001 | 19:15 | 75 | 27.0 | | 5,450 | Well Opened |
| | 12/13/2001 | 11:15 | 85 | 29.0 | | 4,380 | " |
| | 12/20/2001 | 15:10 | 95 | 34.0 | | 9,999 | " |
| | 12/28/2001 | 11:00 | 75 | 20.0 | | 100 | " |
| | 1/3/2002 | 15:00 | 75 | 20.0 | | 100 | " |
| | 1/10/2002 | 15:00 | NA | 1.9 | | NA | Well Closed |
| | 1/18/2002 | 18:00 | NA | 3.5 | | NA | " |
| | 1/24/2002 | 15:10 | NA | 2.4 | | NA | " |
| | 1/31/2002 | 15:48 | 57 | 29.0 | | 1,060 | Well Opened |
| | 2/1/2002 | 10:00 | 40 | 21.0 | | 920 | " |
| | 2/6/2002 | 13:00 | 34 | 17.0 | | 850 | " |
| | 2/15/2002 | 11:00 | 34 | 18 | | 850 | " |
| | 2/27/2002 | 10:30 | 70 | 36 | | 800 | " |
| | 3/6/2002 | 9:00 | 65 | 34 | | 677 | " |
| | 3/13/2002 | 14:35 | 78 | 35 | | 495 | " |
| | 3/20/2002 | 10:45 | 91 | 35 | | 420 | " |
| | 3/29/2002 | 10:00 | 64 | 44 | | 422 | " |
| | 3/29/2002 | 14:20 | 77.5 | 40 | | 385 | " |
| | 3/30/2002 | 10:58 | 58.5 | 42 | | 406 | " |
| | 3/31/2002 | 10:31 | 59 | 41.5 | | 431 | " |
| | 4/1/2002 | 16:50 | 78 | 42 | | 375 | " |
| | 4/2/2002 | 11:40 | 81 | 44 | | 351 | " |
| | 4/4/2002 | 17:00 | 85 | 39.5 | | 421 | " |
| | 4/5/2002 | 11:30 | 107 | 42.5 | | 390 | " |
| | 4/6/2002 | 12:00 | 104 | 42 | | 323 | " |
| | 4/7/2002 | 11:00 | 102 | 43 | | 310 | " |
| | 4/8/2002 | 12:45 | 101 | 44 | | 310 | " |
| | 4/9/2002 | 8:45 | 106 | 44 | | 352 | " |
| | 4/10/2002 | 14:30 | 80 | 42 | | 319 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 114 | 43 | | NA | " |
| | 4/17/2002 | 15:20 | 114.5 | 36 | | 305 | " |
| | 4/23/2002 | 15:51 | 109 | 44 | | NA | " |
| | 5/3/2002 | 12:48 | 58 | 36.5 | | 178 | " |
| | 5/9/2002 | 19:10 | 73 | 39 | | 164 | " |
| | 5/23/2002 | 16:20 | 87.5 | 43 | | * 11 | " |
| | 6/13/2002 | 8:35 | 86.5 | 44 | | * 9.5 | " |
| | 6/20/2002 | 10:17 | 39.5 | 44 | | * 9.0 | " |
| | 6/27/2002 | 12:34 | 86.5 | 43 | | * 6.5 | " |
| | 7/3/2002 | 11:00 | 78 | 42 | | 44 | " |

# TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

| WELL ID | DATE | TIME | FLOW RATE (1) (scfm) | VACUUM (inches of H2O) | FID (ppmv) | WELLHEAD PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|
| 2-VEW-8A | 11/27/2001 | 13:00 | 14 | 25 | | 1,675 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 10 | 20 | | 240 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 2.5 | | NA | " |
| | 1/18/2002 | 18:00 | 24 | 50 | | 855 | " |
| | 1/24/2002 | 15:10 | 14 | 48 | | 1,030 | " |
| | 1/31/2002 | 15:48 | 6 | 30 | | 980 | " |
| | 2/1/2002 | 10:00 | 7 | 21 | | 1,010 | " |
| | 2/6/2002 | 13:00 | 6 | 16 | | 1,400 | " |
| | 2/15/2002 | 11:00 | 6.5 | 18 | | 480 | Well Closed |
| | 3/20/2002 | 14:00 | NA | 55 | | 24 | " |
| | 3/29/2002 | 14:20 | 7 | 43 | | 59 | Well Opened |
| | 3/30/2002 | 10:58 | 7 | 43 | | 76 | " |
| | 3/31/2002 | 10:31 | 9.8 | 43 | | 81 | " |
| | 4/1/2002 | 16:50 | 9.4 | 45 | | 79 | " |
| | 4/2/2002 | 11:40 | 9.5 | 46 | | 117 | " |
| | 4/4/2002 | 17:00 | 8.8 | 42 | | 130 | " |
| | 4/5/2002 | 11:30 | 11.4 | 45 | | 78 | " |
| | 4/6/2002 | 12:00 | 10.8 | 44.5 | | 63 | " |
| | 4/7/2002 | 11:00 | 10.4 | 44 | | 59 | " |
| | 4/8/2002 | 12:45 | 11 | 45 | | 58 | " |
| | 4/9/2002 | 8:45 | 10.1 | 47 | | 69 | " |
| | 4/10/2002 | 14:30 | 9.7 | 44 | | 69 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | Well Closed |
| | 4/12/2002 | 18:37 | NA | 11 | | NA | " |
| | 4/17/2002 | 15:20 | NA | 6 | | NA | " |
| | 4/23/2002 | 15:51 | NA | 13 | | NA | " |
| | 5/3/2002 | 12:48 | NA | 1 | | NA | " |
| | 5/9/2002 | 19:10 | NA | 2 | | NA | " |
| | 5/23/2002 | 16:20 | NA | 14 | | NA | " |
| | 6/13/2002 | 8:35 | NA | 15 | | NA | " |
| | 6/20/2002 | 10:17 | NA | 15 | | NA | " |
| | 6/27/2002 | 12:34 | NA | 14 | | NA | " |
| | 7/3/2002 | 11:00 | NA | 15 | | NA | " |
| 2-VEW-8B | 11/27/2001 | 13:00 | 56 | 30 | | 3,750 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 50 | 20 | | 990 | Well Opened |
| | 1/10/2002 | 15:00 | 64 | 21 | | 2,750 | " |
| | 1/18/2002 | 18:00 | NA | 3.7 | | NA | Well Closed |
| | 1/24/2002 | 15:10 | NA | 2.8 | | NA | " |
| | 1/31/2002 | 15:48 | 46 | 29 | | 1,300 | Well Opened |
| | 2/1/2002 | 10:00 | 30 | 21 | | 1,370 | " |
| | 2/6/2002 | 13:00 | 22 | 16 | | 790 | " |
| | 2/15/2002 | 11:00 | 22 | 19 | | 1,830 | " |
| | 2/27/2002 | 10:30 | 76 | 44 | | 1,185 | " |
| | 3/6/2002 | 9:00 | 54 | 42 | | 930 | " |
| | 3/13/2002 | 14:35 | 90 | 42 | | 715 | " |
| | 3/20/2002 | 10:45 | 103 | 41 | | 510 | " |
| | 3/29/2002 | 10:00 | 62 | 44 | | 472 | " |
| | 3/29/2002 | 14:20 | 60 | 42 | | 500 | " |
| | 3/30/2002 | 10:58 | 62.5 | 44 | | 712 | " |
| | 3/31/2002 | 10:31 | 60.5 | 44.5 | | 724 | " |
| | 4/1/2002 | 16:50 | 60 | 43 | | 740 | " |
| | 4/2/2002 | 11:40 | 64 | 46 | | 664 | " |
| | 4/4/2002 | 17:00 | 68 | 41 | | 660 | " |
| | 4/5/2002 | 11:30 | 64 | 43.5 | | 704 | " |
| | 4/6/2002 | 12:00 | 61.5 | 43.5 | | 668 | " |
| | 4/7/2002 | 11:00 | 63.5 | 45.5 | | 681 | " |
| | 4/8/2002 | 12:45 | 66 | 44 | | 669 | " |
| | 4/9/2002 | 8:45 | 65.5 | 45 | | 787 | " |
| | 4/10/2002 | 14:30 | 65 | 43 | | 719 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 41.8 | 26 | | NA | " |
| | 4/17/2002 | 15:20 | 51.5 | 19.5 | | 276 | " |
| | 4/23/2002 | 15:51 | 50.5 | 28.5 | | NA | " |
| | 5/3/2002 | 12:48 | 31.1 | 22 | | 281 | " |
| | 5/9/2002 | 19:10 | 23 | 21 | | 362 | " |
| | 5/23/2002 | 16:20 | 38.4 | 29 | | * 39 | " |
| | 6/13/2002 | 8:35 | 25.2 | 30 | | * 20 | " |
| | 6/20/2002 | 10:17 | 40.9 | 30 | | * 25 | " |
| | 6/27/2002 | 12:34 | 28.6 | 29 | | * 17 | " |
| | 7/3/2002 | 11:00 | 18 | 28 | | 121 | " |

# TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

| WELL ID | DATE | TIME | FLOW RATE (1) (scfm) | VACUUM (inches of H2O) | FID (ppmv) | WELLHEAD PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|
| 2-VEW-9 | 11/27/2001 | 13:00 | 38 | 30 | | 2,550 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 75 | 19 | | 390 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 3.2 | | NA | Well Closed |
| | 1/18/2002 | 18:00 | NA | 4.8 | | NA | " |
| | 1/24/2002 | 15:10 | NA | 4.2 | | NA | " |
| | 1/31/2002 | 15:48 | 24 | 29 | | 1,970 | Well Opened |
| | 2/1/2002 | 10:00 | 17 | 21 | | 1,100 | " |
| | 2/6/2002 | 13:00 | 14 | 17 | | 750 | " |
| | 2/15/2002 | 11:00 | 14 | 20 | | 795 | " |
| | 2/27/2002 | 10:30 | 98 | 60 | | 355 | " |
| | 3/6/2002 | 9:00 | 94 | 56 | | 350 | " |
| | 3/13/2002 | 14:35 | 91 | 56 | | 305 | " |
| | 3/20/2002 | 10:45 | 93 | 58 | | 243 | " |
| | 3/29/2002 | 10:00 | 77 | 50 | | 241 | " |
| | 3/29/2002 | 14:20 | 52.5 | 44 | | 334 | " |
| | 3/30/2002 | 10:58 | 51 | 45 | | 532 | " |
| | 3/31/2002 | 10:31 | 53 | 45 | | 1,325 | " |
| | 4/1/2002 | 16:50 | 52 | 45 | | 610 | " |
| | 4/2/2002 | 11:40 | 56 | 48 | | 542 | " |
| | 4/4/2002 | 17:00 | 60 | 44 | | 568 | " |
| | 4/5/2002 | 11:30 | 57.5 | 45.5 | | 479 | " |
| | 4/6/2002 | 12:00 | 57 | 46 | | 546 | " |
| | 4/7/2002 | 11:00 | 56 | 47 | | 506 | " |
| | 4/8/2002 | 12:45 | 56.5 | 47 | | 497 | " |
| | 4/9/2002 | 8:45 | 55 | 47 | | 472 | " |
| | 4/10/2002 | 14:30 | 57 | 46 | | 530 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 49.3 | 44 | | NA | " |
| | 4/17/2002 | 15:20 | 52.5 | 38 | | 283 | " |
| | 4/23/2002 | 15:51 | 47.1 | 44.5 | | NA | " |
| | 5/3/2002 | 12:48 | 54 | 34 | | 239 | " |
| | 5/9/2002 | 19:10 | 43 | 40 | | 300 | " |
| | 5/23/2002 | 16:20 | 47.3 | 44 | | * 25 | " |
| | 6/13/2002 | 8:35 | 47.8 | 46 | | * 23 | " |
| | 6/20/2002 | 10:17 | 45.4 | 47 | | * 20 | " |
| | 6/27/2002 | 12:34 | 49.7 | 45 | | * 19 | " |
| | 7/3/2002 | 11:00 | 48 | 45 | | 112 | " |
| 2-VEW-10A | 11/27/2001 | 13:00 | 20 | 30 | | 1,400 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 20 | 22 | | 45 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 2.3 | | NA | |
| | 1/18/2002 | 18:00 | 33 | 48 | | 2,750 | " |
| | 1/24/2002 | 15:10 | 45 | 45 | | 1,890 | " |
| | 1/31/2002 | 15:48 | 18 | 28 | | 1,450 | " |
| | 2/1/2002 | 10:00 | 13 | 20 | | 1,350 | " |
| | 2/6/2002 | 13:00 | 11 | 17 | | 1,250 | Well Closed |
| | 2/15/2002 | 11:00 | 12.5 | 19 | | 1,085 | Well Opened |
| | 3/20/2002 | 14:00 | NA | 57 | | 38 | " |
| | 3/29/2002 | 14:20 | 13 | 22 | | 15 | " |
| | 3/30/2002 | 10:58 | 13 | 24 | | 23 | " |
| | 3/31/2002 | 10:31 | 13 | 24 | | 30 | " |
| | 4/1/2002 | 16:50 | 13.6 | 24 | | 49 | " |
| | 4/2/2002 | 11:40 | 10 | 23 | | 60 | " |
| | 4/4/2002 | 17:00 | 9.8 | 18 | | 82 | " |
| | 4/5/2002 | 11:30 | 11.9 | 21 | | 50 | " |
| | 4/6/2002 | 12:00 | 10.5 | 21.5 | | 56 | " |
| | 4/7/2002 | 11:00 | 10.9 | 22 | | 57 | " |
| | 4/8/2002 | 12:45 | 10.9 | 22 | | 147 | " |
| | 4/9/2002 | 8:45 | 10.5 | 21 | | 74 | " |
| | 4/10/2002 | 14:30 | 12.4 | 22 | | 65 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 11.8 | 21 | | NA | " |
| | 4/17/2002 | 15:20 | 11.9 | 16 | | 68 | " |
| | 4/23/2002 | 15:51 | 10.5 | 23.5 | | NA | " |
| | 5/3/2002 | 12:48 | 11.4 | 16 | | 49 | " |
| | 5/9/2002 | 19:10 | NA | 12 | | NA | " |
| | 5/23/2002 | 16:20 | 24.8 | 35 | | * 6.4 | " |
| | 6/13/2002 | 8:35 | 26.4 | 36 | | * 10 | " |
| | 6/20/2002 | 10:17 | 24.4 | 36 | | * 11 | " |
| | 6/27/2002 | 12:34 | 27.3 | 35 | | * 8.0 | " |
| | 7/3/2002 | 11:00 | 25 | 32 | | 59 | " |

# TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

| WELL ID | DATE | TIME | FLOW RATE (1) (scfm) | VACUUM (inches of H2O) | FID (ppmv) | WELLHEAD PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|
| **2-VEW-10B** | 11/27/2001 | 13:00 | 45 | 30 | | 1,620 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 32 | 18 | | 700 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 4.2 | | NA | Well Closed |
| | 1/18/2002 | 18:00 | NA | 4.4 | | NA | " |
| | 1/24/2002 | 15:10 | NA | 4 | | NA | " |
| | 1/31/2002 | 15:48 | 26 | 28 | | 6,000 | Well Opened |
| | 2/1/2002 | 10:00 | 15 | 21 | | 3,710 | " |
| | 2/6/2002 | 13:00 | 11 | 17 | | 3,000 | " |
| | 2/15/2002 | 11:00 | 14 | 19 | | 2,580 | " |
| | 2/27/2002 | 10:30 | 43 | 37 | | 1,400 | " |
| | 3/6/2002 | 9:00 | 39 | 35 | | 1,080 | " |
| | 3/13/2002 | 14:35 | 39 | 32 | | 788 | " |
| | 3/20/2002 | 10:45 | 49 | 29 | | 690 | " |
| | 3/29/2002 | 10:00 | 36 | 29 | | 488 | " |
| | 3/29/2002 | 14:20 | 15 | 25 | | 350 | " |
| | 3/30/2002 | 10:58 | 15 | 27 | | 533 | " |
| | 3/31/2002 | 10:31 | 16 | 28 | | 670 | " |
| | 4/1/2002 | 16:50 | 15 | 28 | | 690 | " |
| | 4/2/2002 | 11:40 | 11 | 27 | | 287 | " |
| | 4/4/2002 | 17:00 | 10.9 | 21.5 | | 297 | " |
| | 4/5/2002 | 11:30 | 12.1 | 26.5 | | 364 | " |
| | 4/6/2002 | 12:00 | 10.6 | 26 | | 362 | " |
| | 4/7/2002 | 11:00 | 12.1 | 27 | | 324 | " |
| | 4/8/2002 | 12:45 | 11 | 28 | | 327 | " |
| | 4/9/2002 | 8:45 | 11.1 | 26 | | 383 | " |
| | 4/10/2002 | 14:30 | 12.6 | 26 | | 370 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 52.5 | 26.5 | | NA | " |
| | 4/17/2002 | 15:20 | 65.5 | 39 | | 780 | " |
| | 4/23/2002 | 15:51 | 67.5 | 47 | | NA | " |
| | 5/3/2002 | 12:48 | 74 | 37 | | 447 | " |
| | 5/9/2002 | 19:10 | 63 | 40 | | 345 | " |
| | 5/23/2002 | 16:20 | 69 | 44 | | * 36 | " |
| | 6/13/2002 | 8:35 | 69.5 | 45 | | * 42 | " |
| | 6/20/2002 | 10:17 | 65 | 46 | | * 35 | " |
| | 6/27/2002 | 12:34 | 70.5 | 44 | | * 27 | " |
| | 7/3/2002 | 11:00 | 65 | 44 | | 148 | " |
| **2-VEW-11A** | 11/27/2001 | 13:00 | 27 | 25 | | 1,700 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 20 | 21 | | 110 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 22 | | 725 | " |
| | 1/18/2002 | 18:00 | 52 | 47 | | 620 | " |
| | 1/24/2002 | 15:10 | 79 | 43 | | 350 | " |
| | 1/31/2002 | 15:48 | 39 | 29 | | 280 | " |
| | 2/1/2002 | 10:00 | 28 | 20 | | 175 | " |
| | 2/6/2002 | 13:00 | 24 | 16 | | 100 | " |
| | 2/15/2002 | 11:00 | 27 | 19 | | 90 | Well Closed |
| | 3/20/2002 | 14:00 | NA | 46 | | 20 | " |
| | 3/29/2002 | 14:20 | 24 | 8 | | NA | " |
| | 3/30/2002 | 10:58 | 1 | 9 | | NA | " |
| | 3/31/2002 | 10:31 | 0.4 | 10 | | NA | " |
| | 4/1/2002 | 16:50 | NA | 9 | | NA | " |
| | 4/2/2002 | 11:40 | NA | 10 | | NA | " |
| | 4/4/2002 | 17:00 | NA | 7 | | NA | " |
| | 4/5/2002 | 11:30 | NA | 9 | | NA | " |
| | 4/6/2002 | 12:00 | NA | 9 | | NA | " |
| | 4/7/2002 | 11:00 | NA | 9.5 | | NA | " |
| | 4/8/2002 | 12:45 | NA | 10 | | NA | " |
| | 4/9/2002 | 8:45 | NA | 10 | | NA | " |
| | 4/10/2002 | 14:30 | NA | 10 | | NA | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | NA | 8 | | NA | " |
| | 4/17/2002 | 15:20 | NA | 5 | | NA | " |
| | 4/23/2002 | 15:51 | NA | 9.5 | | NA | " |
| | 5/3/2002 | 12:48 | NA | 4 | | NA | " |
| | 5/9/2002 | 19:10 | NA | 8 | | NA | " |
| | 5/23/2002 | 16:20 | NA | 10 | | NA | " |
| | 6/13/2002 | 8:35 | NA | 10 | | NA | " |
| | 6/20/2002 | 10:17 | NA | 10 | | NA | " |
| | 6/27/2002 | 12:34 | NA | 9 | | NA | " |
| | 7/3/2002 | 11:00 | NA | 10 | | NA | " |

# TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

| WELL ID | DATE | TIME | FLOW RATE (1) (scfm) | VACUUM (inches of H2O) | FID (ppmv) | WELLHEAD PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|
| 2-VEW-11B | 11/27/2001 | 13:00 | 19 | 30.0 | | 1,040 | Initial Startup |
| | 11/28/2001 | 13:15 | NA | 27.5 | | 3,100 | Well Opened |
| | 11/30/2001 | 14:20 | NA | 27.0 | | NA | " |
| | 12/3/2001 | 17:10 | NA | 26.5 | | NA | " |
| | 12/4/2001 | 10:15 | NA | 27.5 | | 1,510 | " |
| | 12/5/2001 | 16:30 | NA | 29.0 | | 3,200 | " |
| | 12/6/2001 | 8:30 | NA | 28.8 | | 3,015 | " |
| | 12/7/2001 | 7:30 | NA | 29.0 | | 3,600 | " |
| | 12/8/2001 | 16:00 | NA | 29.0 | | 3,100 | " |
| | 12/9/2001 | 13:00 | NA | 27.0 | | NA | " |
| | 12/10/2001 | 16:00 | NA | 28.5 | | 4,700 | " |
| | 12/11/2001 | 11:00 | NA | 30.0 | | 4,100 | Well Closed |
| | 12/12/2001 | 19:15 | NA | 2.1 | | NA | " |
| | 12/13/2001 | 11:15 | NA | 0.9 | | NA | " |
| | 12/20/2001 | 15:10 | NA | 1.7 | | NA | " |
| | 12/28/2001 | 11:00 | 15 | 22.0 | | 520 | Well Opened |
| | 1/3/2002 | 15:00 | 15 | 22.0 | | 520 | " |
| | 1/10/2002 | 15:00 | NA | 4.0 | | NA | " |
| | 1/18/2002 | 18:00 | NA | 4.8 | | NA | " |
| | 1/24/2002 | 15:10 | NA | 4.5 | | NA | " |
| | 1/31/2002 | 15:48 | 12 | 29.0 | | 850 | " |
| | 2/1/2002 | 10:00 | 6 | 21.0 | | 590 | " |
| | 2/6/2002 | 13:00 | 5 | 16.0 | | 340 | " |
| | 2/15/2002 | 11:00 | 5.5 | 19 | | 415 | Well Closed |
| | 3/20/2002 | 14:00 | NA | 53 | | 303 | " |
| | 3/29/2002 | 14:20 | 18 | 39 | | 586 | Well Opened |
| | 3/30/2002 | 10:58 | 16 | 41 | | 531 | " |
| | 3/31/2002 | 10:31 | 17.5 | 42 | | 1,651 | " |
| | 4/1/2002 | 16:50 | 17 | 41 | | 565 | " |
| | 4/2/2002 | 11:40 | 17 | 44 | | 515 | " |
| | 4/4/2002 | 17:00 | 19.6 | 38.5 | | 536 | " |
| | 4/5/2002 | 11:30 | 18.4 | 42 | | 484 | " |
| | 4/6/2002 | 12:00 | 18.6 | 42.5 | | 464 | " |
| | 4/7/2002 | 11:00 | 16.5 | 43.5 | | 461 | " |
| | 4/8/2002 | 12:45 | 18.4 | 44 | | 474 | " |
| | 4/9/2002 | 8:45 | 17 | 43 | | 471 | " |
| | 4/10/2002 | 14:30 | 17 | 42 | | 463 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 23.7 | 47 | | NA | " |
| | 4/17/2002 | 15:20 | 28.4 | 41 | | 465 | " |
| | 4/23/2002 | 15:51 | 19.7 | 47 | | NA | " |
| | 5/3/2002 | 12:48 | 25.3 | 36.5 | | NA | " |
| | 5/9/2002 | 19:10 | 15 | 41 | | 383 | " |
| | 5/23/2002 | 16:20 | 16.6 | 45 | | * 41 | " |
| | 6/13/2002 | 8:35 | 15.7 | 46 | | * 35 | " |
| | 6/20/2002 | 10:17 | 15.3 | 47 | | * 29 | " |
| | 6/27/2002 | 12:34 | 16.7 | 45 | | * 28 | " |
| | 7/3/2002 | 11:00 | 16 | 45 | | 178 | " |
| 2-VEW-12 | 11/27/2001 | 13:00 | 82 | 30 | | 2,500 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 75 | 19 | | 390 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 3.4 | | NA | Well Closed |
| | 1/18/2002 | 18:00 | NA | 5.5 | | NA | " |
| | 1/24/2002 | 15:10 | NA | 4.8 | | NA | " |
| | 1/31/2002 | 15:48 | 75 | 28 | | 815 | Well Opened |
| | 2/1/2002 | 10:00 | 49 | 20 | | 540 | " |
| | 2/6/2002 | 13:00 | 39 | 17 | | 325 | " |
| | 2/15/2002 | 11:00 | 44 | 19 | | 350 | Well Closed |
| | 3/20/2002 | 14:00 | NA | 40 | | 61 | " |
| | 3/29/2002 | 14:20 | 117 | 41 | | 67 | Well Opened |
| | 3/30/2002 | 10:58 | 120 | 42 | | 92 | " |
| | 3/31/2002 | 10:31 | 121 | 43 | | 539 | " |
| | 4/1/2002 | 16:50 | 121 | 43 | | 154 | " |
| | 4/2/2002 | 11:40 | 125 | 45 | | 145 | " |
| | 4/4/2002 | 17:00 | 124 | 41 | | 180 | " |
| | 4/5/2002 | 11:30 | 124 | 42.5 | | 108 | " |
| | 4/6/2002 | 12:00 | 121 | 43.5 | | 110 | " |
| | 4/7/2002 | 11:00 | 125 | 44.5 | | 101 | " |
| | 4/8/2002 | 12:45 | 120 | 44 | | 100 | " |
| | 4/9/2002 | 8:45 | 122 | 44 | | 88 | " |
| | 4/10/2002 | 14:30 | 125 | 43 | | 132 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 122 | 43 | | NA | " |
| | 4/17/2002 | 15:20 | 117 | 38 | | 55 | " |
| | 4/23/2002 | 15:51 | 117 | 44 | | NA | " |
| | 5/3/2002 | 12:48 | 119 | 34 | | 36 | " |
| | 5/9/2002 | 19:10 | 107 | 37 | | 35 | " |
| | 5/23/2002 | 16:20 | 113 | 41.5 | | * 2.0 | " |
| | 6/13/2002 | 8:35 | 121 | 43 | | * 7.0 | " |
| | 6/20/2002 | 10:17 | 115 | 44 | | * 7.0 | " |
| | 6/27/2002 | 12:34 | 120 | 42 | | * 6.8 | " |
| | 7/3/2002 | 11:00 | 116 | 42 | | 35 | " |

# TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

| WELL ID | DATE | TIME | FLOW RATE (1) (scfm) | VACUUM (inches of H2O) | FID (ppmv) | WELLHEAD PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|
| 2-VEW-13A | 11/27/2001 | 13:00 | 17 | 25 | | 1,700 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 10 | 23 | | 95 | Well Opened |
| | 1/10/2002 | 15:00 | 12 | 32 | | 380 | " |
| | 1/18/2002 | 18:00 | 22 | 48 | | 375 | " |
| | 1/24/2002 | 15:10 | 45 | 44 | | 420 | " |
| | 1/31/2002 | 15:48 | 23 | 29 | | 500 | " |
| | 2/1/2002 | 10:00 | 18 | 20 | | 390 | " |
| | 2/6/2002 | 13:00 | 16 | 17 | | 375 | " |
| | 2/15/2002 | 11:00 | 15 | 19 | | 189 | " |
| | 3/20/2002 | 14:00 | NA | 47 | | 161 | " |
| | 3/29/2002 | 14:20 | 1 | 6.5 | | NA | Well Closed |
| | 3/30/2002 | 10:58 | 0.3 | 7.5 | | NA | " |
| | 3/31/2002 | 10:31 | 0.7 | 8 | | NA | " |
| | 4/1/2002 | 16:50 | NA | 9 | | NA | " |
| | 4/2/2002 | 11:40 | NA | 10 | | NA | " |
| | 4/4/2002 | 17:00 | NA | 6 | | NA | " |
| | 4/5/2002 | 11:30 | NA | 8 | | NA | " |
| | 4/6/2002 | 12:00 | NA | 8 | | NA | " |
| | 4/7/2002 | 11:00 | NA | 9 | | NA | " |
| | 4/8/2002 | 12:45 | NA | 10 | | NA | " |
| | 4/9/2002 | 8:45 | NA | 10 | | NA | " |
| | 4/10/2002 | 14:30 | NA | 9 | | NA | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | NA | 7 | | NA | " |
| | 4/17/2002 | 15:20 | NA | 4.5 | | NA | " |
| | 4/23/2002 | 15:51 | NA | 10 | | NA | " |
| | 5/3/2002 | 12:48 | NA | 5 | | NA | " |
| | 5/9/2002 | 19:10 | NA | 9 | | NA | " |
| | 5/23/2002 | 16:20 | NA | 11 | | NA | " |
| | 6/13/2002 | 8:35 | NA | 11 | | NA | " |
| | 6/20/2002 | 10:17 | NA | 11 | | NA | " |
| | 6/27/2002 | 12:34 | NA | 9 | | NA | " |
| | 7/3/2002 | 11:00 | NA | 8 | | NA | " |
| 2-VEW-13B | 11/27/2001 | 13:00 | 40 | 25 | | 1,850 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 35 | 21 | | 990 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 5 | | NA | " |
| | 1/18/2002 | 18:00 | NA | 4.7 | | NA | " |
| | 1/24/2002 | 15:10 | NA | 5.1 | | NA | " |
| | 1/31/2002 | 15:48 | 22 | 29 | | 3,550 | " |
| | 2/1/2002 | 10:00 | 12 | 20 | | 2,500 | " |
| | 2/6/2002 | 13:00 | 12 | 17 | | 1,900 | " |
| | 2/15/2002 | 11:00 | 9.6 | 19 | | 1,590 | Well Closed |
| | 3/20/2002 | 14:00 | NA | 53 | | 303 | " |
| | 3/29/2002 | 14:20 | 6 | 24.5 | | 170 | Well Opened |
| | 3/30/2002 | 10:58 | 8 | 26 | | 289 | " |
| | 3/31/2002 | 10:31 | 5.6 | 26 | | 327 | " |
| | 4/1/2002 | 16:50 | 5.8 | 27 | | 291 | " |
| | 4/2/2002 | 11:40 | 7.6 | 30 | | 621 | " |
| | 4/4/2002 | 17:00 | 10 | 23 | | 632 | " |
| | 4/5/2002 | 11:30 | 8.6 | 28 | | 605 | " |
| | 4/6/2002 | 12:00 | 8.5 | 28 | | 626 | " |
| | 4/7/2002 | 11:00 | 8 | 28.5 | | 582 | " |
| | 4/8/2002 | 12:45 | 7.5 | 29 | | 794 | " |
| | 4/9/2002 | 8:45 | 8 | 29 | | 697 | " |
| | 4/10/2002 | 14:30 | 8.3 | 26 | | 623 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 31.1 | 47 | | NA | " |
| | 4/17/2002 | 15:20 | 38.2 | 40.5 | | 567 | " |
| | 4/23/2002 | 15:51 | 27.5 | 47 | | NA | " |
| | 5/3/2002 | 12:48 | 33.5 | 37.5 | | 388 | " |
| | 5/9/2002 | 19:10 | 27 | 41 | | 340 | " |
| | 5/23/2002 | 16:20 | 32.4 | 45 | | * 25 | " |
| | 6/13/2002 | 8:35 | 38 | 45.5 | | * 42 | " |
| | 6/20/2002 | 10:17 | 38 | 46.5 | | * 25 | " |
| | 6/27/2002 | 12:34 | 44.4 | 45.5 | | * 14 | " |
| | 7/3/2002 | 11:00 | 44 | 44 | | 85 | " |

# TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

| WELL ID | DATE | TIME | FLOW RATE (1) (scfm) | VACUUM (inches of H2O) | FID (ppmv) | WELLHEAD PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|
| 2-VEW-14A | 11/27/2001 | 13:00 | 18 | 25 | | 1,300 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 19 | 23 | | 390 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 22 | | 700 | " |
| | 1/18/2002 | 18:00 | 40 | 48 | | 520 | " |
| | 1/24/2002 | 15:10 | 75 | 42 | | 415 | " |
| | 1/31/2002 | 15:48 | 52 | 28 | | 140 | " |
| | 2/1/2002 | 10:00 | 43 | 20 | | 140 | " |
| | 2/6/2002 | 13:00 | 44 | 17 | | 102 | " |
| | 2/15/2002 | 11:00 | 46 | 18 | | 50 | " |
| | 3/20/2002 | 14:00 | NA | 42 | | 58 | " |
| | 3/29/2002 | 14:20 | 18 | 44 | | NA | Well Closed |
| | 3/30/2002 | 10:58 | 0.3 | 6 | | NA | " |
| | 3/31/2002 | 10:31 | 0.1 | 7 | | NA | " |
| | 4/1/2002 | 16:50 | NA | 7 | | NA | " |
| | 4/2/2002 | 11:40 | NA | 8 | | NA | " |
| | 4/4/2002 | 17:00 | NA | 6.5 | | NA | " |
| | 4/5/2002 | 11:30 | NA | 9 | | NA | " |
| | 4/6/2002 | 12:00 | NA | 9 | | NA | " |
| | 4/7/2002 | 11:00 | NA | 9.5 | | NA | " |
| | 4/8/2002 | 12:45 | NA | 10.5 | | NA | " |
| | 4/9/2002 | 8:45 | NA | 10 | | NA | " |
| | 4/10/2002 | 14:30 | NA | 10 | | NA | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 20 | 20 | | NA | " |
| | 4/17/2002 | 15:20 | 33 | 16 | | 27 | " |
| | 4/23/2002 | 15:51 | 24 | 22 | | NA | " |
| | 5/3/2002 | 12:48 | 26.6 | 14 | | 23 | " |
| | 5/9/2002 | 19:10 | NA | 8 | | NA | " |
| | 5/23/2002 | 16:20 | NA | 9 | | NA | " |
| | 6/13/2002 | 8:35 | NA | 9 | | NA | " |
| | 6/20/2002 | 10:17 | NA | 9 | | NA | " |
| | 6/27/2002 | 12:34 | NA | 8.5 | | NA | " |
| | 7/3/2002 | 11:00 | NA | 9 | | NA | " |
| 2-VEW-14B | 11/27/2001 | 13:00 | 33 | 25.0 | | 1,750 | Initial Startup |
| | 11/28/2001 | 13:15 | NA | 27.5 | | 3,000 | Well Opened |
| | 11/30/2001 | 14:20 | NA | 27.0 | | NA | " |
| | 12/3/2001 | 17:10 | NA | 26.0 | | NA | " |
| | 12/4/2001 | 10:15 | NA | 28.0 | | 960 | " |
| | 12/5/2001 | 16:30 | NA | 28.0 | | 2,400 | " |
| | 12/6/2001 | 8:30 | NA | 28.2 | | 2,930 | " |
| | 12/7/2001 | 7:30 | NA | 29.5 | | 3,875 | " |
| | 12/8/2001 | 16:00 | NA | 29.0 | | 2,650 | " |
| | 12/9/2001 | 13:00 | NA | 24.0 | | NA | " |
| | 12/10/2001 | 16:00 | NA | 28.0 | | 4,075 | " |
| | 12/11/2001 | 11:00 | NA | 30.0 | | 3,850 | Well Closed |
| | 12/12/2001 | 19:15 | NA | 1.9 | | NA | " |
| | 12/13/2001 | 11:15 | NA | 0.8 | | NA | " |
| | 12/20/2001 | 15:10 | NA | 1.6 | | NA | " |
| | 12/28/2001 | 11:00 | 40 | 21.0 | | 830 | Well Opened |
| | 1/3/2002 | 15:00 | 40 | 21.0 | | 830 | " |
| | 1/10/2002 | 15:00 | NA | 4.2 | | NA | " |
| | 1/18/2002 | 18:00 | NA | 5.9 | | NA | " |
| | 1/24/2002 | 15:10 | NA | 5.2 | | NA | " |
| | 1/31/2002 | 15:48 | 21 | 28.0 | | 1,015 | " |
| | 2/1/2002 | 10:00 | 16 | 20.0 | | 765 | " |
| | 2/6/2002 | 13:00 | NA | 17.0 | | 600 | " |
| | 2/15/2002 | 11:00 | 13 | 18 | | 520 | Well Closed |
| | 3/20/2002 | 14:00 | NA | 47 | | 79 | " |
| | 3/29/2002 | 14:20 | 24.5 | 27 | | 163 | Well Opened |
| | 3/30/2002 | 10:58 | 16.7 | 28.5 | | 94 | " |
| | 3/31/2002 | 10:31 | 17 | 29 | | 191 | " |
| | 4/1/2002 | 16:50 | 16 | 29 | | 208 | " |
| | 4/2/2002 | 11:40 | 16 | 30 | | 190 | " |
| | 4/4/2002 | 17:00 | 16.4 | 29.5 | | 240 | " |
| | 4/5/2002 | 11:30 | 17.3 | 28.5 | | 206 | " |
| | 4/6/2002 | 12:00 | 16.9 | 29 | | 200 | " |
| | 4/7/2002 | 11:00 | 17.6 | 29.5 | | 191 | " |
| | 4/8/2002 | 12:45 | 17.8 | 30.5 | | 189 | " |
| | 4/9/2002 | 8:45 | 16.7 | 29 | | 207 | " |
| | 4/10/2002 | 14:30 | 17.6 | 28 | | 210 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 11 | 26 | | NA | " |
| | 4/17/2002 | 15:20 | 11.3 | 20 | | 210 | " |
| | 4/23/2002 | 15:51 | 10.5 | 28 | | NA | " |
| | 5/3/2002 | 12:48 | 10.9 | 16 | | 129 | " |
| | 5/9/2002 | 19:10 | 11 | 23 | | 58 | " |
| | 5/23/2002 | 16:20 | 10.8 | 9 | | NA | " |
| | 6/13/2002 | 8:35 | 11 | 26 | | * 5.2 | " |
| | 6/20/2002 | 10:17 | 10.4 | 27 | | *7.0 | " |
| | 6/27/2002 | 12:34 | 12.2 | 25.5 | | * 4.0 | " |
| | 7/3/2002 | 11:00 | 11 | 25 | | 32 | " |

# TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

| WELL ID | DATE | TIME | FLOW RATE (1) (scfm) | VACUUM (inches of H2O) | FID (ppmv) | WELLHEAD PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|
| 2-VEW-15A | 11/27/2001 | 13:00 | 41 | 30 | | 1,170 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 23 | 18 | | 67 | Well Opened |
| | 1/10/2002 | 15:00 | NA | 1.9 | | NA | " |
| | 1/18/2002 | 18:00 | 61 | 47 | | 810 | " |
| | 1/24/2002 | 15:10 | 83 | 43 | | 585 | " |
| | 1/31/2002 | 15:48 | 37 | 28 | | 500 | " |
| | 2/1/2002 | 10:00 | 27 | 20 | | 300 | " |
| | 2/6/2002 | 13:00 | 23 | 16 | | 290 | " |
| | 2/15/2002 | 11:00 | 29 | 18 | | 150 | " |
| | 3/29/2002 | 14:20 | 1 | 5 | | NA | Well Closed |
| | 3/30/2002 | 10:58 | 0.5 | 6 | | NA | " |
| | 3/31/2002 | 10:31 | 4 | 6 | | NA | " |
| | 4/1/2002 | 16:50 | NA | 7 | | NA | " |
| | 4/2/2002 | 11:40 | NA | 8 | | NA | " |
| | 4/4/2002 | 17:00 | NA | 4 | | NA | " |
| | 4/5/2002 | 11:30 | NA | 6 | | NA | " |
| | 4/6/2002 | 12:00 | NA | 6.5 | | NA | " |
| | 4/7/2002 | 11:00 | NA | 7 | | NA | " |
| | 4/8/2002 | 12:45 | NA | 8 | | NA | " |
| | 4/9/2002 | 8:45 | NA | 8 | | NA | " |
| | 4/10/2002 | 14:30 | NA | 7 | | NA | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | NA | 6 | | NA | " |
| | 4/17/2002 | 15:20 | NA | 3.5 | | NA | " |
| | 4/23/2002 | 15:51 | NA | 7 | | NA | " |
| | 5/3/2002 | 12:48 | NA | 3 | | NA | " |
| | 5/9/2002 | 19:10 | NA | 6 | | NA | " |
| | 5/23/2002 | 16:20 | NA | 7 | | NA | " |
| | 6/13/2002 | 8:35 | NA | 7 | | NA | " |
| | 6/20/2002 | 10:17 | NA | 7 | | NA | " |
| | 6/27/2002 | 12:34 | NA | 7 | | NA | " |
| | 7/3/2002 | 11:00 | NA | 7 | | NA | " |
| 2-VEW-15B | 11/27/2001 | 13:00 | 22 | 25 | | 1,120 | Well Closed 11/28/01-1/2/02 |
| | 1/3/2002 | 15:00 | 20 | 21 | | 575 | Well Opened |
| | 1/10/2002 | 15:00 | 23 | 22 | | 2,100 | " |
| | 1/18/2002 | 18:00 | 61 | 47 | | 810 | " |
| | 1/24/2002 | 15:10 | NA | 5.1 | | NA | " |
| | 1/31/2002 | 15:48 | 10 | 28 | | 1,400 | " |
| | 2/1/2002 | 10:00 | 7 | 21 | | 925 | " |
| | 2/6/2002 | 13:00 | 6 | 16 | | 765 | " |
| | 2/15/2002 | 11:00 | 6 | 18 | | 665 | Well Closed |
| | 3/20/2002 | 14:00 | NA | 51 | | 113 | " |
| | 3/29/2002 | 14:20 | 19 | 39 | | 300 | Well Opened |
| | 3/30/2002 | 10:58 | 18 | 41 | | 414 | " |
| | 3/31/2002 | 10:31 | 18 | 41 | | 412 | " |
| | 4/1/2002 | 16:50 | 16 | 29 | | 208 | " |
| | 4/2/2002 | 11:40 | 18 | 44 | | 360 | " |
| | 4/4/2002 | 17:00 | 18.8 | 39 | | 385 | " |
| | 4/5/2002 | 11:30 | 20.5 | 40.5 | | 315 | " |
| | 4/6/2002 | 12:00 | 18.5 | 42 | | 311 | " |
| | 4/7/2002 | 11:00 | 17.6 | 43 | | 276 | " |
| | 4/8/2002 | 12:45 | 20 | 44 | | 289 | " |
| | 4/9/2002 | 8:45 | 18.7 | 44 | | 284 | " |
| | 4/10/2002 | 14:30 | 18.2 | 42 | | 277 | " |
| | 4/11/2002 | 19:35 | NA | NA | | NA | " |
| | 4/12/2002 | 18:37 | 18.4 | 48 | | NA | " |
| | 4/17/2002 | 15:20 | 24.5 | 41 | | 254 | " |
| | 4/23/2002 | 15:51 | 18 | 48 | | NA | " |
| | 5/3/2002 | 12:48 | 20.3 | 37 | | 148 | " |
| | 5/9/2002 | 19:10 | 18 | 40 | | 169 | " |
| | 5/23/2002 | 16:20 | 18.6 | 45 | | * 13 | " |
| | 6/13/2002 | 8:35 | 21.7 | 47 | | * 14 | " |
| | 6/20/2002 | 10:17 | 19 | 46 | | * 18 | " |
| | 6/27/2002 | 12:34 | 21.2 | 45 | | * 11 | " |
| | 7/3/2002 | 11:00 | 29 | 45 | | 72 | " |
| 2-VEW-16A | 5/9/2002 | 19:10 | 10 | 41 | | 13 | Well Opened |
| | 5/23/2002 | 16:20 | NA | 12.5 | | NA | Well Closed |
| | 6/13/2002 | 8:35 | NA | 16 | | NA | " |
| | 6/20/2002 | 10:17 | NA | 16 | | NA | " |
| | 6/27/2002 | 12:34 | NA | 12 | | NA | " |
| | 7/3/2002 | 11:00 | NA | 12 | | NA | " |
| 2-VEW-16B | 5/9/2002 | 19:10 | 45 | 30 | | 46 | Well Opened |
| | 5/23/2002 | 16:20 | 51.5 | 33 | | * 4.7 | " |
| | 6/13/2002 | 8:35 | 54 | 36 | | * 8.0 | " |
| | 6/20/2002 | 10:17 | 50 | 38 | | * 7.0 | " |
| | 6/27/2002 | 12:34 | 50 | 32.5 | | * 8.2 | " |
| | 7/3/2002 | 11:00 | 52 | 32 | | 37 | " |

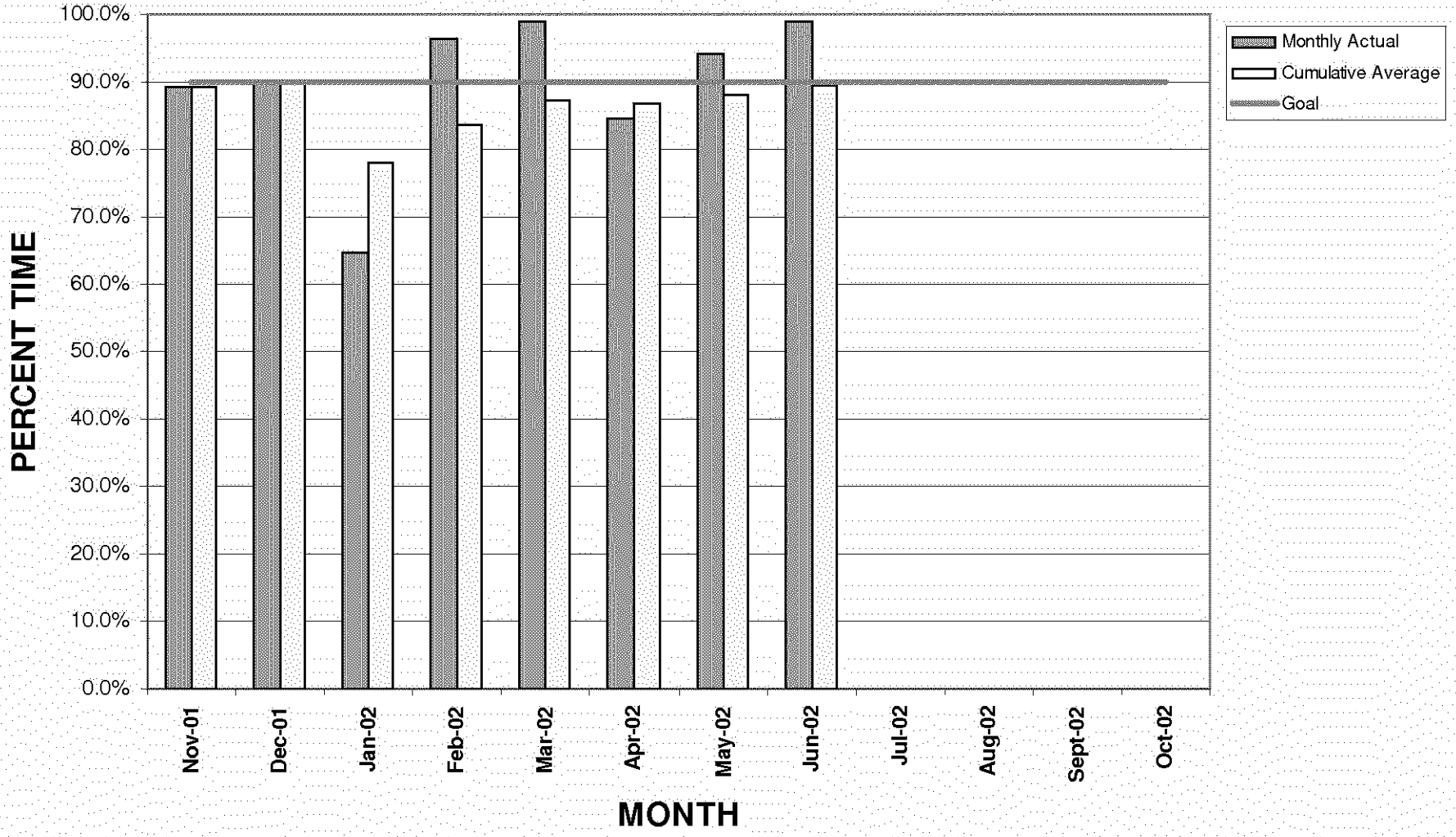
# TABLE 6 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

**Site Name:** BRC Former C-6 Facility
**Location:** Torrance, California
**System:** Building 2 SVE system

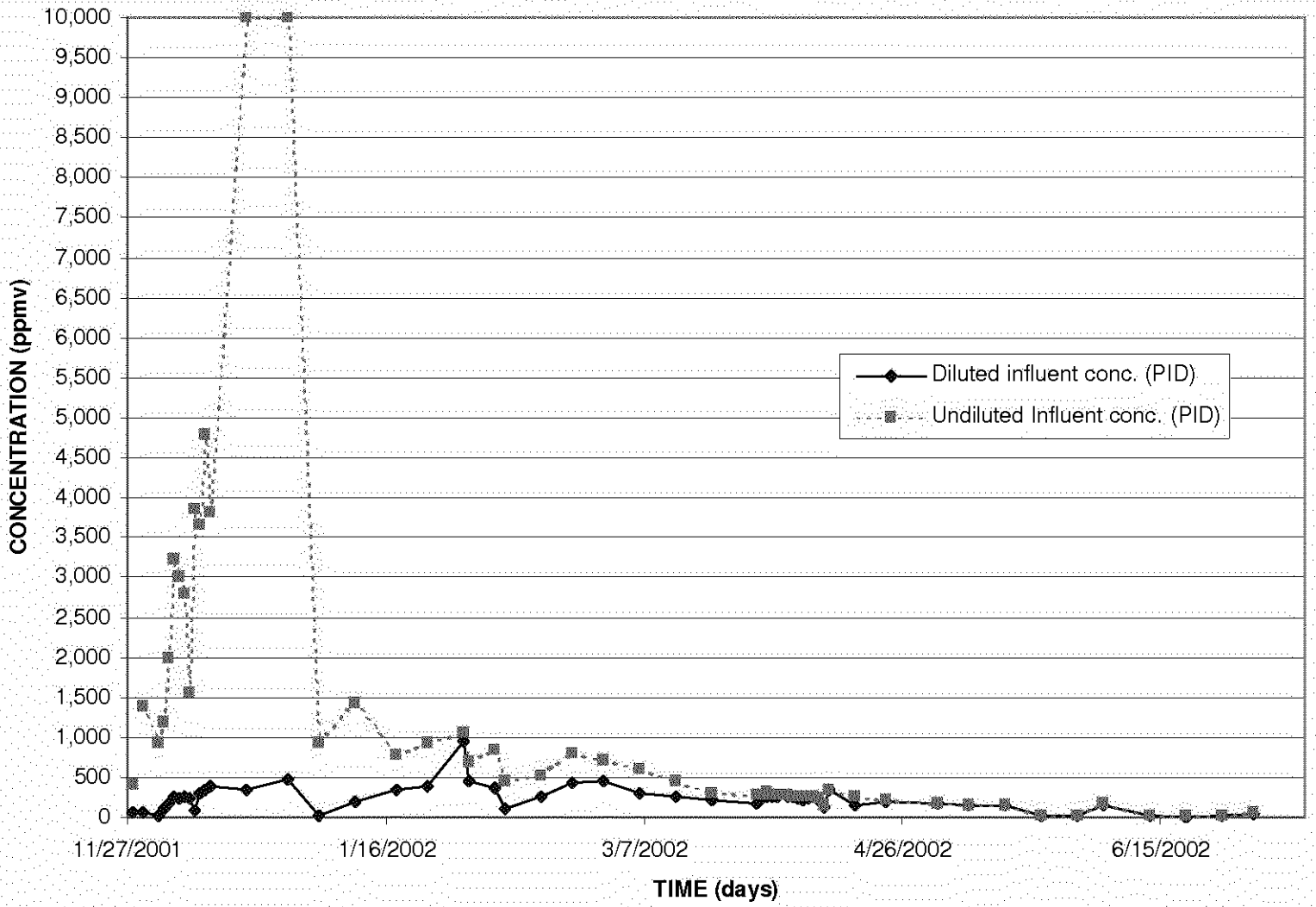
| WELL ID | DATE | TIME | FLOW RATE (1) (scfm) | VACUUM (inches of H2O) | FID (ppmv) | WELLHEAD PID (2) (ppmv) | COMMENTS |
|---|---|---|---|---|---|---|---|
| **2-VEW-17A** | 5/9/2002 | 19:10 | 15 | 23 | | 2 | Well Opened |
| | 5/23/2002 | 16:20 | NA | 6 | | NA | Well Closed |
| | 6/13/2002 | 8:35 | NA | 6.5 | | NA | " |
| | 6/20/2002 | 10:17 | NA | 6.5 | | NA | " |
| | 6/27/2002 | 12:34 | NA | 6 | | NA | " |
| | 7/3/2002 | 11:00 | NA | 6 | | NA | " |
| **2-VEW-17B** | 5/9/2002 | 19:10 | 77 | 42 | | 9 | Well Opened |
| | 5/23/2002 | 16:20 | NA | 8 | | NA | Well Closed |
| | 6/13/2002 | 8:35 | NA | 8.5 | | NA | " |
| | 6/20/2002 | 10:17 | NA | 9 | | NA | " |
| | 6/27/2002 | 12:34 | NA | 8 | | NA | " |
| | 7/3/2002 | 11:00 | NA | 8 | | NA | " |

**Notes:**
ppmv: parts per million by volume
scfm: standard cubic foot per minute (acfm corrected for vacuum and temperature)
NA: data was not recorded or available
(1) Direct flow readings taken by hand-held TSI Veloci-calc Plus
(2) Measurements taken with a MiniRae 2000 PID calibrated to 100 ppmv Hexane, results as Hexane.
* Measurements taken with Foxboro OVA-128 calibrated to Hexane. Results as Hexane.

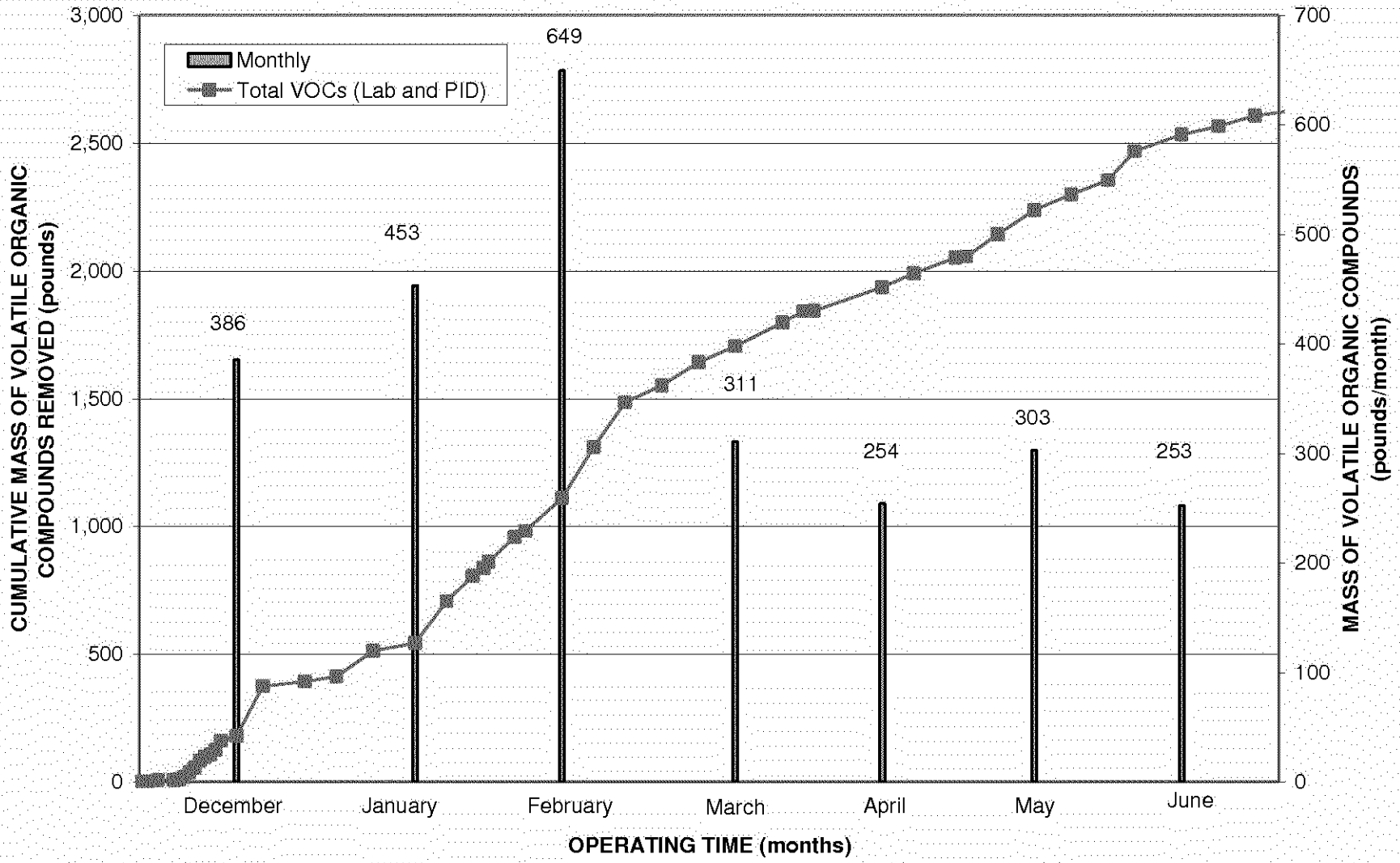
## GRAPH 4
## BUILDING 2 MONTHLY PERCENT OPERATION



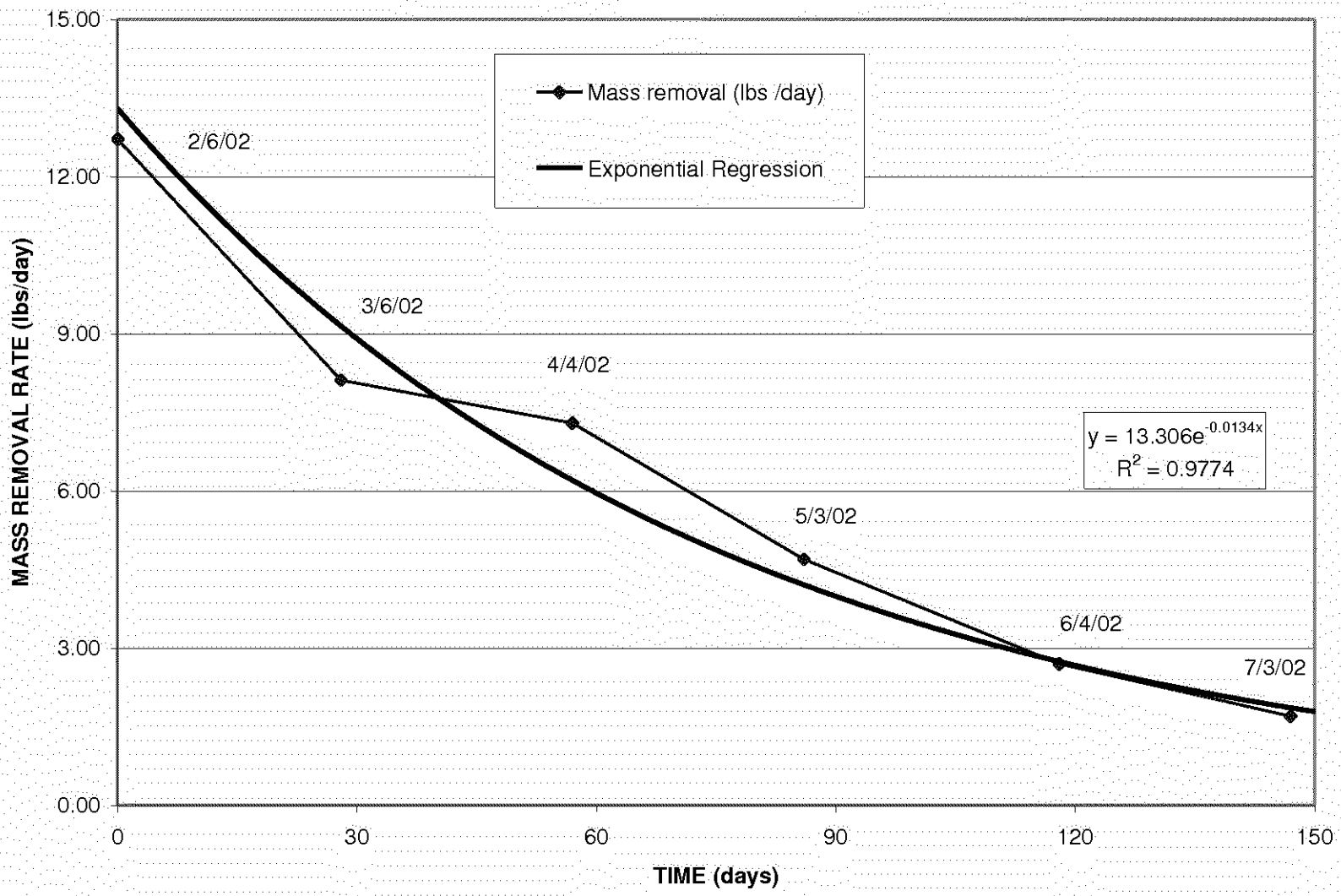
## GRAPH 5
## BUILDING 2 SVE SYSTEM TOTAL VOC INFLUENT CONCENTRATIONS



## GRAPH 6
## BUILDING 2 CUMULATIVE VOLATILE ORGANIC COMPOUND MASS REMOVED



**GRAPH 7**
**BUILDING 2 SVE SYSTEM REGRESSION ANALYSIS**
**MASS REDUCTION**



**GRAPH 8**
**BUILDING 2 SVE SYSTEM REGRESSION ANALYSIS**
**CONCENTRATION REDUCTION**